



# Phase I Environmental Site Assessment

Former Rincon Mushroom Farm APN 133-180-020 33777 Valley Center Road Valley Center, San Diego County, California 92082

## **Prepared for:**

Rincon San Luiseño Band of Mission Indians P.O. Box 68 Valley Center, California 92082 AUGUST 4, 2011

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#### 1.0 SUMMARY

Applied Engineering and Geology, Inc. (AEG) was contracted by the Rincon San Luiseño Band of Mission Indians (Tribe) to conduct a Phase I Environmental Site Assessment (Phase I) of the Site. The Phase I included record reviews, a Site inspection, and interviews. Records from local, State, Tribal, and Federal regulatory agencies were reviewed. The Site inspection, and several interviews, was conducted on July 6, 2011 by AEG.

The records review indicated there have been environmental concerns associated with the Site since the 1980's, a substantial amount of contaminated material was observed in 2008 by the United States Environmental Protection Agency (USEPA), and that the USEPA oversaw a ground surface cleanup in 2008. Only one other site that stored hazardous materials or wastes was located within one mile of the Site, and this site is sidegradient/downgradient of the Site.

The Site inspection indicated there are currently sources of environmental contamination present on the Site. Numerous vehicles, cargo containers, above ground storage tanks (ASTs), drums, and debris piles were observed on the Site. Potential pathways for contamination to enter the groundwater directly were also observed.

Additionally, several properties in the vicinity of the Site were observed to store hazardous materials and/or hazardous wastes, or have potential sources of contamination on the property. However, no evidence of environmental contamination was observed at these properties during the Site inspection.

AEG concludes that currently, and in the past, there are identified hazardous wastes of known potential environmental problems associated with the Site.

AEG recommends additional investigation be performed that would include boreholes being drilled around the perimeter of the Site for the purpose of collecting soil and groundwater samples for laboratory analysis and groundwater modeling. These samples could determine if contamination is present, and what type of contamination, in soil and groundwater at the perimeter of the Site.

#### 2.0 INTRODUCTION

AEG was contracted by the Tribe to conduct a Phase I of the Site identified as Assessor's Parcel Number (APN) 133-180-020 (Site). The 5+/- acre parcel is located at 33777 Valley Center Road, Valley Center, San Diego County, California 92082 (see **Figure 1**). The Tribe is interested in determining if historical, and possibly current, activities would result in contamination that could negatively impact the groundwater supply in the vicinity of the Site.

The scope of this Phase I was performed in accordance with ASTM E1527-05, Standard Practice for Site Assessments: Phase I Environmental Site Assessment Process. It consisted of an examination of State and Federal regulatory agency records and an inspection of the Site and perimeter properties.

This report presents physical and geologic/hydrogeologic descriptions of the Site and its history; results from the Site inspection; results of a review of local, State, Tribal, and Federal regulatory agency records for known or possible hazardous waste sites; and conclusions and recommendations. It should be noted, AEG was not authorized to enter the Site; therefore, all of the Site observations made during the Site inspection were made from outside the perimeter of the Site.

#### 3.0 SITE DESCRIPTION

#### 3.1 Physical Description

The Site consists of an approximate 5-acre parcel located at 33777 Valley Center Road, Valley Center, San Diego County, California 92082. The Site is privately held fee land that lies within the Rincon San Luiseño Band of Mission Indians Reservation (Reservation). The Site is rectangular in shape with dimensions of approximately 370 feet (east-west) by 595 feet (north-south) (see Figures 2 and 3). According to the EDRs Geocheck Physical Setting Source Summary, a review of topographical maps, and a site inspection, topography within one quarter of a mile from the Site is relatively flat. Beyond the relatively flat region, the terrain becomes more mountainous. Additionally, precipitation drains to the west and northwest. Surface water on the Site appears to drain in different directions on different parts of the Site; however, there are storm gutters along the south and southeast sides of the Site that appear to channel the surface water to the southeast corner of the Site.

No utilities were observed on the Site; however, overhead electrical lines run along the west and north sides of the Site and communication lines appear to run under Valley Center Road to the west of the Site. Based on discussions with area residents, the Site does have a septic system; however, the exact location could not be determined.

Based on interviews with representatives from Water Quality Specialists of San Diego, Inc., the drinking water source for the Tribe, and area residents, is primarily supplied by private domestic wells, and residential wastewater is primarily disposed of through septic systems, in the vicinity of the Site. The Harrah's Rincon Casino, northwest of the Site, disposes of its wastewater through a dedicated waste water treatment plant, located approximately 2,000 feet northwest of the Site.

The surface of the Site is composed of soil on the north half of the Site and asphalt and concrete on the south half of the Site. At the time of the Site inspection, July 6, 2011, the Site was fenced on all sides. Two vehicle access points were observed on the west side of the Site opening onto Valley Center Road.

There are two structures on the Site, that appear to be completed modular structures, as well as, 11 pieces of modular structures that have not been assembled, approximately six recreational vehicles (RVs), up to four cargo containers of various lengths, approximately 10 automobile and semi-tractor pulled trailers, up to three semi-tractor cabs, and at least four cars. There are also miscellaneous debris and storage areas throughout the Site. The current use of the Site appears to be a residence and industrial storage.

#### 3.2 Geology / Hydrogeology

The Site is located in the southernmost portion of the Pauma Valley, located in the Santa Ana Mountains. The Pauma Valley is underlain by surficial sediments consisting of alluvium and colluvium which are underlain by bedrock.

The bedrock that underlies the alluvium and colluvium; as well as, what is exposed in the Santa Anna Mountain ranges, to the east and west of the Site, is mainly composed of sedimentary and igneous bedrock of Cretaceous to Jurassic geologic age, although some metasedimentary bedrock is also present. The bedrock within the Santa Ana Mountains formed northwest-southeast trending ranges and alluvium-filled valleys as part of global tectonic events.

Bedrock of the Cretaceous geologic age is identified as granitic rocks and basic intrusive rocks by the California Division of Mines and Geology (CDMG) (1965). The granitic rocks are characterized as tonalite and diorite. The basic intrusive rocks are characterized as gabbro.

Bedrock of the Jurassic geological age is identified as marine sedimentary and metasedimentary rocks; as well as, metasedimentary rocks by the CDMG (1965). The marine sedimentary metasedimentary rocks are characterized interbedded metashale, slate, quartzite, graywacke, local conglomerate, and limestone. Metasedimentary rocks are characterized as interbedded schist, local amphibolite, and gneiss.

The primary aquifers are found in the alluvium. Groundwater within bedrock generally occurs in secondary porosity associated with near surface fracturing. Groundwater has been estimated to be at approximately 13 to 14 feet below ground surface (bgs).

Surface water features that occur on or adjacent to the Reservation include the San Luis Rey River which traverses through the center of the Reservation. The confluence of Yuima Creek and the San Luis Rey River is located to the north of the Reservation. The confluence of Cedar Creek and the San Luis Rey River is located to the south of the Reservation.

Stormwater runoff flows towards the San Luis Rey River. Yuima Creek and Cedar Creek flow west toward the San Luis Rey River. The San Luis Rey River flows to the north through the Reservation. North of the Reservation, the San Luis Rey River bends sharply to the west on its outlet path towards the Pacific Ocean.

#### 3.3 Site Use and History

Based on a review of the EDR aerial photos (see **Appendix C**) and interviews with area residents, the Site was undeveloped through 1975, and the first development occurred between 1975 and 1989. During this time span, two buildings were built on the southern half of the Site. No additional construction is apparent from 1989 through 2005. Between 1995 and 2005, the Site appears to have been used for industrial storage and other commercial uses. During 2007, a wildfire destroyed both of the structures and most of the other property on the Site.

Historically the Site has been used as a mushroom farm, citrus fruit packing facility, and also contained apartments. In the Use of Subject Property section of the EDR-City Directory Abstract (see **Appendix** C), the Site was listed as Rincon Mushroom in 1988 and has been listed as Mushroom Express since 1994. EDR's Chain of Title Report indicates the Rincon Mushroom Corporation of America owned the Site from 1982 through 1999.

#### 3.4 Adjoining Site Use and History

The properties immediately south, east, and north of the Site are either empty parcels (south) or residences (east and north). Although the parcel to the east currently supports several single family residences, it appears to have been used for commercial/industrial uses in the past, including raising poultry and building cabinets. To the west of the Site is Harrah's Rincon Casino. The Casino was built between 1996 and 2002, and includes a large hotel and wastewater treatment facility.

Use of Specific Properties, per EDR-City Directory Abstract:

<u>33611 Valley Center Road</u>: Residential (1988-2001);

33750 Valley Center Road: Office (2008);

33780 Valley Center Road: Southern California Tribal Asn (1988-2001);

33800 Valley Center Road: Residential (2001);

33805 Valley Center Road: Walker Woods Products (1988);

33811 Valley Center Road: Residential (1988);

33815 Valley Center Road: Not When Surfs Up (1994):

<u>33837 Valley Center Road</u>: Residential and apartments (1988-2008); and,

<u>33841 Valley Center Road</u>: Residential (2001-2008).

Based on a review of the EDR aerial photos, and interviews with area residents there have been limited agricultural activities in the vicinity of the Site since the 1950's. There may have been a chicken farm on the property to the east of the Site during the 1970's and a wood products company in 1988. Significant development of the area did not begin until the 1980's.

#### 4.0 USER PROVIDED INFORMATION

AEG sent the Tribe a list of questions, including the ASTM Standards User Questionnaire questions, regarding the Site. The Tribe provided answers to the questions, site maps supporting those answers, and two EPA documents. These questions and the Tribe's response are included in **Appendix D**.

#### **4.1** General Information Questionnaire

Based on the question responses, and the January 18, 2008 Department of Health & Human Services report included with the responses, the Mushroom Farm was in operation at the Site until the early 1990s and manure was stockpiled on the Site. Additionally, the auto storage/salvage yard operation that had operated on the Site improperly stored significant quantities of waste oil, had unregistered injection wells, and violated RCRA and the Safe Drinking Water Act.

Based on an USEPA July 6, 2005 draft report included with the responses, the auto storage/salvage yard's waste oil storage area was full, was not water tight, and was leaking. Additionally, waste oil tanks were observed to be located inside the storage area, as well as, spread out across the southern end of the Site. Two dirt lined sumps were also observed on the Site.

The USEPA report also states that there were two injection wells on the Site. One of the injection wells was plumbed to the septic system and the other is believed to have been plumbed to the mushroom cooling/humidifier system when the farm was in operation.

#### 4.2 ASTM User Questionnaire

All of the ASTM Standards User Questionnaire questions were answered by the Tribe. The Tribe stated that it is unaware of any environmental liens or activity and use limitations on the Site. The Tribe is aware of past and present contamination at the Site.

#### 4.3 Site Owner/Occupant Information

Based on the EDR Chain of Title Report (see Appendix C) the current owner of the Site is Marvin Donius, who obtained the Site from the

Rincon Mushroom Corporation of America in 1999. Based on conversations with area residents, Marvin Donios may currently reside in Texas and has not been involved with the Site during recent years.

The tenant living on the Site refused to be involved with the investigation. Based on conversations with area residents, the tenant is not renting or leasing the Site from the owner and may be using the Site without the owner's knowledge or permission.

#### 4.4 Reason for Performing Phase I

AEG was contracted to perform this environmental assessment as a means of performing an evaluation of impacts to water quality and groundwater resources that have, or could, occur due to poor housekeeping practices and unauthorized releases of toxic and/or hazardous wastes from the Site.

#### 5.0 RECORDS REVIEW

As part of this Phase I Environmental Site Assessment, AEG reviewed local, State, Tribal, and Federal records to determine if this Site was listed or if there were properties in the general area of the Site that have or have had hazardous substances or hazardous wastes stored or leaked. The primary source for the State and Federal records was Environmental Data Resources, Inc. (EDR). Their search of records meets the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Copies of the records from EDR are in Appendix C. The source of the local records was the San Diego County Division of Environmental Health, State Geotracker database of open LUFT sites, and Geotracker Gama.

#### 5.1 Title Records

The EDR Chain of Title Report shows that the current owner of the Site is Marvin Donius, who obtained the property from the Rincon Mushroom Corporation of America in 1999. From 1943 through 1982 the property was owned by several different individuals. The Rincon Mushroom Corporation of America owned the property from 1982 through 1999. A summary of the chain of title is shown in **Table 1**.

TABLE 1 - Chain of Title Summary			
Date	Type	Grantor	Grantee
08/12/1943	Deed	Cedric R. Roberts	James C. Mendenhall
04/17/1952	Deed	James C. Mendenhall	Edna I. Berglund
07/02/1963	Deed	Edna I. Berglund	Leon J. Welmas
05/22/1968	Deed	Leon J. Welmas	Earl J. Gilbert & Margaret M. Gilbert
02/10/1976	Deed	Earl J. Gilbert & Margaret M. Gilbert	Raynaldo L. Sanchez
11/12/1978	Deed	Raynaldo L. Sanchez	Joseph De Giacinto & Lena De Giacinto
08/20/1982	Deed	Joseph De Giacinto & Lena De Giacinto	Rincon Mushroom Corporation
12/10/1999	Corp. Grant Deed	Rincon Mushroom Corporation	Marvin Donius

# **5.2** Environmental Liens or Activity and Use Limitations

The EDR Environmental Lien Search Report shows no environmental liens or activity and use limitations are imposed on the deed held by Marvin Donius for the Site.

#### 5.3 Certified Sanborn® Map

Sanborn® Maps of the area were requested from EDR; however, no Sanborn® Maps could be found for the Site.

#### 5.4 Historical Topographic Map Review

AEG reviewed historical topographical maps provided by EDR. A review of the target quad historical topographic maps shows the following:

1903, Ramona, 30 series, 1:125,000 scale. There appears to be several small structures shown in the vicinity of the Site (predominately north and

east of the Site). No other development is shown. The Reservation boundaries are shown, but are different than the current boundaries. The Site is within the shown boundaries.

1904, Southern California Sheet 2, 60 series, 1:250,000 scale. Aside from what appear to be a few residences, no development is shown in the immediate vicinity of the Site. To the southwest of the Site, several roads, and the City of Escondido, are shown.

1947, Paloma Mountain, 15 series, 1:50,000 scale. Several new small structures and a road are shown in the vicinity of the Site, including what appears to be a residence to the north side of Morales Road, across from the Site. There is an orchard approximately 2,000 feet north-northwest of the Site. Additionally, two major roads are shown in the vicinity of the Site (the roads are now County Highway S6 and Highway 76).

1950, Boucher Hill, 7.5 series, 1:24,000 scale. Three more roads in the vicinity of the Site appear to have been paved and three mines have opened to the east of the Site. Morales Road is shown, but the orchard from 1947 is not shown.

1971, Boucher Hill, 7.5 series, 1:24,000 scale. There are six large, and one small, structures shown on the property immediately to the east of the Site. In addition, three large and three small structures have been built on the west side of Valley Center Road, west of the Site. The Reservation boundaries appear to have been modified.

1982, Boucher Hill, 7.5 series, 1:24,000 scale. More small structures are shown in the immediate vicinity of the Site and orchards are shown to the north of the Site. Some of the large structures immediately east of the Site have been removed and two large structures have been built on the Site.

1988, Boucher Hill, 7.5 series, 1:24,000 scale. Two more large structures are shown in the immediate vicinity of the Site, one to the west and one to the northeast.

1997, Boucher Hill, 7.5 series, 1:24,000 scale. Several more small structures have been built immediately east of the Site, while the large structure to the northeast has been removed. In addition, a large structure on the west side of Valley Center Road, west of the Site, has been replaced with an even larger structure. There is an orchard shown along both sides of Valley Center Road, north of the Site.

#### 5.5 Historical Aerial Photo Review

As part of this Phase I, AEG reviewed aerial photographs provided by EDR (see **Appendix C**). A review of the aerial photographs shows the following:

1939, 1:555 scale. The subject Site appears to be undeveloped land. Some of the land to the north and east appears to be used for agriculture (row crops and orchards). The land to the south and west appears to be undeveloped.

1946, 1:655 scale. The property immediately north of the Site now appears to have a residence and the property immediately east of the Site is now being used to grow row crops. A new residence is also shown immediately northeast of the Site. Valley Center Road also appears to have been paved.

<u>1953, 1:555 scale.</u> No significant changes were observed.

1963, 1:555 scale. Several groups of long and narrow buildings built in square patterns are shown in the vicinity of the Site (one of these groupings is immediately east of the Site). The purpose of these structures is not known. Additionally, Valley Center Road appears to have been widened.

1975, 1:600 scale. All of the long and narrow grouped buildings have been removed. Several buildings have been built on the property immediately west of the Site. Several more small structures have been built in the vicinity of the Site (north and northeast). The property immediately east of the Site now has six long and relatively wide structures located on it. Based on discussions with area residents, these structures may have been used to raise chickens.

1989, 1:666 scale. Two large structures have been built on the Site. The large structures have been removed from the property immediately east of the Site and a large concrete pad has been added. A significant amount of vegetation has been added to the residences immediately north of the Site. More structures have been added to the property immediately west of the Site. A large complex of buildings has been built to the northwest of the Site. A substantial portion of the land to the northwest of the Site is being used to grow row crops. A medium sized group of structures has been built to the south of the Site, south of the San Luis Rey River.

1995, 1:666 scale. No significant changes were observed.

2005, 1:604 scale. The Site is shown to have a large number of vehicles and/or other large objects located throughout the Site. The row crops have been removed from the northwest of the Site. To the west and northwest of the Site, a very large structure (casino) has been built with substantial parking facilities. A water treatment facility has also been added to the north of the casino.

#### 5.6 GeoCheck® Review

The GeoCheck® report shows the Site is listed in several environmental databases, including County, State, Tribal, and Federal databases. The records include damage to an electrical transformer in 2007 and an environmental cleanup in 2008.

According to the record search by EDR, one site was found within the one mile radius listed by the County, State, Tribal, or Federal government as a property with known hazardous materials on it. Vista Del Rio, located at 33811 Valley Center Road, is approximately 250 feet north of the Site and is shown to have had one underground storage tank (UST) for diesel fuel in 1976. No record of a tank removal or continued use is shown. This facility appears to be located either downgradient or sidegradient of the Site. Therefore, any release from the UST would travel away from the Site in groundwater.

Four additional properties were listed as orphan sites in the EDR report. All of these properties were determined to be more than one mile from the Site.

The EDR report shows 31 water wells located within one mile of the Site. The wells are located to the north, east, and south of the Site with no wells to the west of the Site. Five of the wells are located within ¼ miles of the Site.

# 5.7 County, Tribal, and Geotracker File Review

AEG requested access to any files the San Diego County Division of Environmental Health (County) had pertaining to the Site and other properties in the vicinity of the Site that had been identified as a potential source of contamination. AEG received copies of three documents pertaining to the Site and was informed the County had no records pertaining to the other suspect properties.

The County documents pertain to the historic storage and use of hazardous materials on the Site, and indicate waste "formaldehyde based pesticides" and waste oil were stored onsite in drums during 1989 and 1991. The documents also indicate the Site was cited by the County for disposing of waste oil on the ground surface in 1989.

The Tribe provided AEG with two reports regarding the contamination of the Site from the 2007 fire and the subsequent clean up (see Appendix C). The first document, Rincon San Luiseño Band of Mission Indians Department of Health & Human Service's Public Health. Safety and Environmental Threat, Mushroom Express Property, dated January 18, 2008, reports the findings of an environmental inspection of the Site. This document states that the Site presents potential threats to public health and the environment. This document reports that coliform bacteria, waste oil, and formaldehyde contamination has been observed in the past and that automotive batteries, tire ash, drums, coolant tanks, petroleum contaminated soil, an AST for TPHd, an injection well with open grate near the AST, burned cars, and what appeared to be paint cans were observed on the Site on January 16, 2008.

The second document, USEPA's Letter Report, Mushroom Express Assessment, dated September 4, 2008 contains the documentation of the investigation and cleanup related to the fire residue at the Site, including ash, partially full 55-gallon drums, and shallow surface soils. The main impacted and addressed areas include:

- (1) In the vicinity of the former AST, waste oil management area, southeastern portion of the Site:
- (2) A strip along the southern portion of the southern building, southern portion of the Site:
- (3) West end of southern building:
- (4) In the vicinity of drinking water supply well, north of former AST:
- (5) Cinder block rubble area in the northeast quarter of Site; and
- (6) Burnt vehicle storage area on unpaved surface, in northwest quarter of Site.

Soil samples were collected and analyzed for a variety of analytes including TPHg, TPHd, oil and grease (O&G), CAM 17 metals, and synthetic organic compounds. Significant total metals (copper, lead, and zinc) were detected in ash samples collected from Areas 1 and 2. No soluble metals were analyzed for. The water sample from the onsite well was not reported to contain any of the compounds analyzed for.

During the cleanup, ash was swept up, scooped up, and hauled from the Site, and the concrete surface was pressure washed. TPHd impacted soil was excavated and hauled from the Site. The TPHd impacted soil did not extend below a depth of 3+/feet above action levels. The areas of contamination observed, and areas cleaned up, during the USEPA 2008 investigation are shown on **Figure 5**.

Two septic systems were reported to be onsite. One reportedly for sewage and one reportedly for mushroom waste water.

AEG reviewed the State Geotracker Database for any leaking underground storage tanks (LUST) sites within one mile of the Site and found none. The nearest site listed on Geotracker is approximately two miles north of the Site. In addition, AEG reviewed the State Geotracker Gama database for impacted wells in the immediate vicinity of the Site. Based on a review of this database, the closest impacted groundwater wells are located over a mile north of the Site, and are impacted with Nitrates.

#### 6.0 SITE RECONNAISSANCE

The Site was inspected by AEG's representative, Dane Frank, on July 6, 2011. The inspection consisted of walking the perimeter of the entire Site, while observing it and adjoining properties, and viewing the Site from the roof of Harrah's Rincon Casino. Additional time was spent interviewing people who live or work in the vicinity of the Site. Large images of the photos taken during the Site inspection are included in **Appendix B** and the locations of the photos are shown on **Figure 4**.

#### 6.1 Methodology and Limiting Conditions

AEG was not authorized to enter the Site, and was made aware of this before planning the Site inspection; therefore, all of the Site observations made during the Site inspection were made from outside the perimeter of the Site. The perimeter of the Site was largely fenced with some type of visual obstruction. AEG personnel walked the perimeter of the Site, recording photographs and video, walked along approximately ½ mile of Valley Center Road in the vicinity of the Site, and observed the Site from the roof of the Harrah's Rincon Casino.

AEG personnel spoke with numerous people who live or work in the vicinity of the Site while performing the Site inspection; however, the owner of the Site could not be contacted and the tenant living on the Site refused to be involved with the investigation.

#### **6.2** General Site Settings

The Site consists of an approximate 5-acre parcel that is rectangular in shape with dimensions of approximately 370 feet (east-west) by 595 feet (north-south). The Site is relatively flat, with mountains visible to the east, south, and west, and a valley to the north. Surface water on the Site appears to drain in different directions on different parts of the Site; however, there are storm gutters along the south and southeast sides of the Site that appear to channel the surface water to the southeast corner of the Site. The San Luis Rey River runs northerly and is located approximately 800 feet to the south and west of the Site.



Site Overview from Casino Roof (looking east)

No utilities were observed on the Site; however, overhead electrical lines run along the west and north sides of the Site and communication lines appear to run under Valley Center Road to the west of the Site. Based on discussions with area residents, the Site does have a septic system; however, the exact location could not be determined.

The surface of the Site is composed of soil on the north half of the Site and asphalt and concrete on the south half of the Site. At the time of the site inspection, July 6, 2011, the Site was fenced on all sides. Two vehicle access points were observed on the west side of the Site opening onto Valley Center Road.

There are two buildings, numerous vehicles and trailers, and a substantial quantity of equipment and debris located throughout the Site.

The direction of groundwater flow in the vicinity of the Site has not been determined, but should flow between perpendicular and parallel to the San Luis Rey River. Therefore, groundwater flow should be towards the northwest.

#### **6.3** Site Observations

There are two structures on the Site, that appear to be completed modular structures; as well as, 11 pieces of modular structure that have not been assembled, approximately six recreational vehicles (RVs), up to four cargo containers of various lengths, approximately 10 automobile and semi-tractor pulled trailers, up to three semi-tractor cabs, and at least four cars. There are also miscellaneous debris piles and storage areas throughout the Site. The current use of the Site appears to be as a residence and industrial storage.

Very little vegetation was observed on the Site. There were bushes along the northern fence line and a few clusters of bushes along the eastern fence line. Within the Site, the only vegetation was scattered native grasses and shrubs that appeared to be growing wildly.

In the northern portion of the Site, (see **Overview Photos 1** and **2**) there are five RVs, several trailers, one flat bed truck, two cargo containers, 11 unassembled modular home sections, and several debris piles.



Debris Pile on the North Portion of Site (Detail A)

In the north center portion of the Site, (see **Overview Photos 3** and **4**) are a dump truck with trailer, a cargo truck, a small pile of dirt, and a pile of pallets and debris.



Dirt, Pallet, and Debris Piles (Detail B)

In the south center portion of the Site, (see **Overview Photos 4, 5,** and **6**) there are three semi truck trailers, two semi truck cabs, one RV, four automobiles, three fork lifts, two cargo containers, three steel tanks (one old and rusted and two newer), three drums, a pile of tires, a drum/AST storage compound, a portable restroom, and two buildings (not shown in overview photos).

The old steel tank is on the east side of the Site and may be the tank that was reported to have ruptured during the 2007 fire that burned the Site.



Old AST on East Side of the Site (Detail C)

The newer steel tanks are located near the southern building, next to a cargo container. Their current use and contents are unknown.



Newer ASTs Near Residence (Detail D)

One drum is located near the northwest corner of the northern building and two are located between a dirt ramp and a pile of tires. The condition and contents of the drums is not known.



Drum Near Northwest Corner of Building (Detail E)



Drums and Pile of Tires (Detail F)

The AST/drum storage compound is near the east side of the Site and is composed of a concrete pad, chain link fence with no see slats, and a roof. There appears to be either ASTs or drums in the compound, but AEG could not confirm the type of vessels or their contents.



AST/Drum Storage Compound (Detail G)

The portable restroom is located near the northeast corner of the northern building. The Site is known to have a septic system; however, past documents have reported there to be fecal coliform contamination in the onsite domestic well, so it is possible that the portable restroom is being used as the primary restroom.



Portable Restroom Near Building (Detail H)

The two buildings onsite appear to be in use as a residence.

The southern portion of the Site is primarily an empty concrete pad. There are five drums, in two different locations, on the southern portion of the Site.

Three drums are along the east side of the Site, inside a concrete cinderblock enclosure. One of the drums appears to be used for oil storage.



Drums in a Concrete Enclosure (Detail I)

The other two drums are located along the south side of the Site, among some debris. The condition and contents of the drums is not known.



Drums & Debris Near South Fence Line (Detail J)

While AEG was unable to access the Site to perform a close inspection of the observed potential sources of contamination, evidence of poor house keeping practices were observed and evidence of staining on the concrete pad is visible from the long range photos and video. The locations of the potential sources of contamination observed during the Site inspection, a description of the potential contaminant source, and the contaminants likely to be associated with the source are shown on **Figure 5**.

#### **6.4** Adjoining Site Observations

During the Site inspection, AEG observed all of the properties immediately surrounding the Site. The properties surrounding the Site can be seen on **Figure 2**.

The property south of the Site is an empty lot with almost no vegetation. The surface (loose sand) appears to have been tilled within the last few years, but there were no additional signs of agricultural use.

The properties east of the Site include three residences and a large open area on the south half of the property. There is a large pile of ash and metal debris in the middle of this open area. The source of this pile is unknown and may be the result of the 2007 fire. There were several piles of debris in the middle and northwest portions of these properties. On the northeast corner of these properties there appears to a car repair and maintenance area where minor vehicular maintenance is performed.



Burn Area on Property East of the Site

In the middle of the northern half of the properties are a steel AST, seven drums (steel and plastic), and a 20 foot long cargo container. Based on discussions with the residents, the AST was used to store diesel fuel. The AST was confirmed to be empty by AEG and no staining was observed on the concrete pad under the tank. One of the drums appeared to be used to store oil. The contents of the other drums are not known. The cargo container was observed to contain paint, oil, solvents, and PVC primer and glue. The AST, drums, and cargo container are all located on a concrete pad.



AST, Drums, and Cargo Container East of the Site

There are four residences to the north of the Site. These residences have a significant amount of vegetation (grass, bushes, and trees). Some empty and rusted drums, old cars, and debris piles were observed at the residences. During a discussion with one of these residents, the resident stated that he is not aware of any USTs or environmental issues associated with his property, or immediate neighbors, excluding the Site.

To the west of the Site is Harrah's Rincon Casino. The casino and hotel building is to the northwest of the Site and immediately west of the Site is a large asphalt paved parking lot. The casino has a substantial amount of landscaping; as well as, several large water fountains/pools and a large swimming pool area.

#### 7.0 INTERVIEWS

Before conducting the Site inspection, AEG discussed the current condition of the Site with Dick Watenpaugh (Director of Tribal Administration for the Tribe) with a particular emphasis on the access restriction at the Site. During the Site inspection, AEG discussed the Site and surrounding properties with Eric Mendoza (Environmental Enforcement Coordinator for the Tribe) and several people who live and work in the vicinity of the Site. AEG also interviewed representatives of Water Quality Specialists of San Diego, Inc. regarding the Tribe's water supply wells to the northwest of the Site. Records of the formal interviews are included in **Appendix E**.

A list of questions was sent to the Tribe regarding the Site. These questions, and the Tribe's responses, are included in **Appendix D**.

#### 8.0 DISCUSSION

AEG has reviewed the available records, talked to knowledgeable people, and conducted an inspection of the Site and surrounding properties. Based on the information that has been obtained, the Site has been used for agricultural, residential, commercial, and industrial purposes since 1982. Prior to 1982, no development of the Site is apparent. There are currently two buildings on the Site, along with a substantial number of vehicles, trailers, storage containers, and other large objects.

During the inspection of the Site from its perimeter, evidence of possible improper storage of hazardous materials and disposal of hazardous wastes on the Site was observed.

Multiple ASTs were observed onsite. The use and contents of these tanks could not be determined. What appeared to be waste oil storage drums were observed onsite.

The residence immediately east of the Site has a ash and metal debris pile, AST (apparently used to store diesel in the past), seven drums (steel and plastic), and a 20 foot long cargo container on the property. The AST, drums, and cargo container are all stored on a concrete slab. The residences to the north of the Site also have some drums, old cars, and debris piles on their properties.

A search of the State, Tribal, and Federal records report that there is only one site within ½ mile of the Site that store, or have had an unauthorized release of, hazardous material and/or hazardous wastes. The Vista Del Rio is approximately 250 feet north of the Site and is shown to have had one underground storage tanks for diesel fuel in 1976. No record of a tank removal or continued use is shown. The records search showed that hazardous materials have been stored on the property; however, it should be located either downgradient or sidegradient of the Site based on the direction of groundwater flow. Therefore, any release from the UST should flow towards the northwest and away from the Site.

The records search showed that the Site has stored, and had unauthorized release(s) of, hazardous material and hazardous wastes.

# 9.0 CONCLUSIONS AND RECOMMENDATIONS

#### 9.1 Conclusions

Based on a review of regulatory records of County, State, Tribal, and Federal environmental agencies; the State Geotracker database of open LUFT sites, UST Sites, and wells; Geotracker Gama; inspections of Site; and interviews with area residents and workers, AEG concludes the following:

- 1. In the past, identified hazardous wastes of known potential environmental problems have been associated with Site:
- 2. There are identified hazardous wastes or known potential environmental problems associated with the Site at this time;
- 3. There are several properties in the vicinity of the Site that store hazardous materials and/or hazardous wastes, or have potential sources of contamination on the property. However, no evidence of environmental contamination was observed at these properties during the Site inspection.

AEG has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 on the Former Rincon Mushroom Farm (APN: 133-180-020). Any exceptions to or deletions from, this practice are described in **Section 6.1** of this Report. This assessment has revealed evidence of recognized environmental impacts in connection with the Site.

#### 9.2 Recommendations

Based on the work performed to date, AEG recommends the following:

AEG recommends that an investigation for offsite impacts to soil and groundwater be conducted. As part of this investigation, boreholes would be drilled around the perimeter of the Site (due to the inability to access the Site) for the purpose of collecting soil and groundwater samples for laboratory analysis.

AEG recommends that groundwater samples collected from the boreholes be analyzed for:

- Total petroleum hydrocarbons as gasoline (TPHg);
- Total petroleum hydrocarbons as diesel (TPHd);
- Total petroleum hydrocarbons as motor oil (TPHmo);
- Benzene, toluene, ethylbenzene, xylenes (BTEX):
- Seven Oxygenates Methyl tert butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tery butyl ether (ETBE), tert amyl methyl ether (TAME), tert butanol (TBA), methanol, and ethanol:
- Volatile organic compounds (VOCs);
- Semi-volatile organic compounds (SVOCs);
- CAM 17 metals Silver, arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium, thallium, vanadium, and zinc;
- Coliform bacteria:
- Organochlorine pesticides and organophosphorus pesticides;
- Chlorinated herbicides, and;
- General minerals.

AEG recommends that soil samples collected from the boreholes be analyzed for TPHg, TPHd, TPHmo, BTEX, Seven Oxygenates, VOCs, SVOCs, CAM 17 metals, coliform bacteria, pesticides, and herbicides. Additionally, AEG recommends that simple vadose zone and groundwater fate and transport modeling be conducted utilizing data obtained during the soil and groundwater investigation. The modeling would include contaminants found to be at the Site and contaminants that would reasonable be expected to be present at the Site.

#### 10.0 STATEMENT OF LIABILITY

This *Phase I Environmental Site Assessment* (Report) was prepared by Applied Engineering and Geology, Inc. (AEG) at the request of the Rincon San Luiseño Band of Mission Indians (Tribe), using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable agencies and scientists practicing in this or similar localities in California at the time this Report was prepared.

No other warranty, expressed or implied, is made as to the information and professional advice included in this Report. Factual information has been obtained from Federal, Tribal, State, and local agencies, and others, and has been assumed to be correct and accurate. Applied Engineering and Geology, Inc. does not guarantee the correctness, completeness, or accuracy of those data.

The focus of this Phase I Environmental Site Assessment is on potential hazardous substance contamination, and the assessment did not address other potential issues such as code compliance, structural integrity of buildings, potential flood hazards at the Site, or CEQA/NEPA issues. In addition, this investigation did not address concerns related to asbestos, lead based paint, or mold.

We have the specific qualification based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth on 40 CFR Part 312.

If you have any questions or require additional information, please contact the undersigned at your convenience.

Sincerely,

APPLIED ENGINEERING & GEOLOGY, INC.

Dane Frank

Staff Engineer

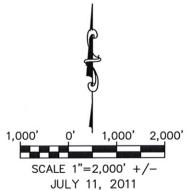
Earl Stephens, RCE 45335

Principal Engineer

# APPENDIX A

**Figures** 







NOT TO SCALE

N:\EVERYONE\AEG DOCUMENTS\RINCON\RINCON - AEG FIGURES\MUSHROOM FARM SITE VICINITY MAP.DWG (38)



APPLIED ENGINEERING AND GEOLOGY, INC.

Engineers • Environmental Assessors • Geologists P.O. BOX 247 LINCOLN, CA 95648

P: (916) 645.6014 aegEngineers.com

## VICINITY MAP SITE FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD VALLEY CENTER, CALIFORNIA 92802

APPROVAL	DATE
Dane	08/02/11
uns	8/5/11
	, , , , ,





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Engineers • Environmental Assessors • Geologists

P.O. BOX 247 LINCOLN, CA 95648 P: (916) 645.6014 aegEngineers.com

# GENERALIZED SITE MAP FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD VALLEY CENTER, CALIFORNIA 92802

	DATE
08	103/11
,	3/11
	08





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# DETAILED SITE FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD VALLEY CENTER, CALIFORNIA 92802

	APPROVAL	DATE
	Dane	08/03/N
	GUS.	8/3/11
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Engineers • Environmental Assessors • Geologists

P.O. BOX 247 LINCOLN, CA 95648

P: (916) 645.6014 aegEngineers.com

# LOCATION OF PHOTOS FORMER RINCON MUSHROOM FARM

33777 VALLEY CENTER ROAD VALLEY CENTER, CALIFORNIA 92802

APPROVAL	DATE
Dane	08/02/U
প্রপ্ত	8/3/11

## LEGEND

AREA OF CONTAMINATION IDENTIFIED BY THE USEPA IN THEIR 2008 INVESTIGATION

- AREA OF CONTAMINATION CLEANED UP BY THE USEPA IN 2008 AREA OF POTENTIAL CONTAMINATION IDENTIFIED BY AEG DURING THE JULY 6, 2011 SITE INSPECTION

TOTAL PETROLEUM HYDROCARBONS

TPH AS DIESEL TPHd

BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

7 OXYs 7 OXYGENATES

VOLATILE ORGANIC COMPOUNDS SVOCs SEMI-VOLITILE ORGANIC COMPOUNDS ABOVEGROUND STORAGE TANK

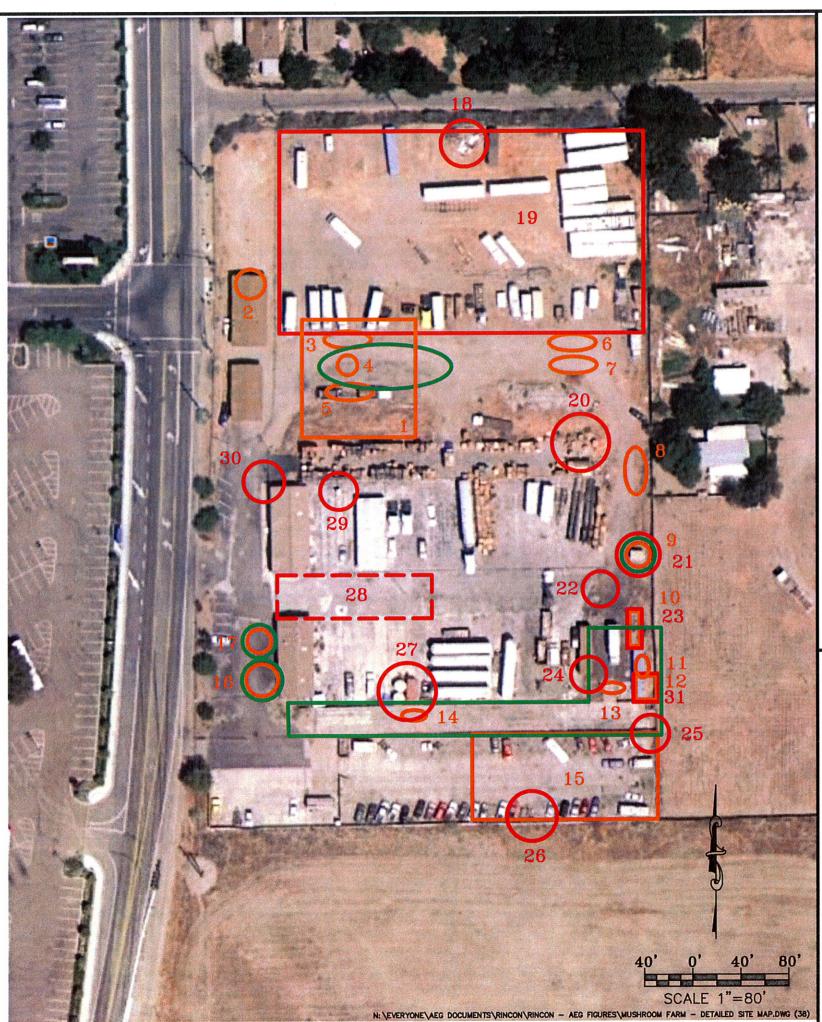
# AREA DESCRIPTIONS

- # LOCATION DESCRIPTION, YEAR OBSERVED, PROBABLE CONTAMINANTS OF CONCERN OR REASON FOR CONCERN
- 1 BURNED VEHICLE AREA, 2008, TPH, BTEX, 7 OXYs, AND METALS
- EPA-ASH 8, 2008, BACKGROUND (NO KNOWN ISSUES)
- 3 EPA-ASH 6, 2008, METALS

- 4 ASH PILE, 2008, METALS 5 EPA-ASH 7, 2008, METALS 6 EPA-ASH 5, 2008, METALS
- 7 CINDER-BLOCK RUBBLE, 2008, UNKNOWN
- 8 EPA-ASH 4, 2008, METALS
- 9 CONTAMINATED SOIL, 2008, METALS
- 10 FORMER AST, 2008, TPHd 11 - EPA-ASH 3, 2008, METALS
- 12 WASTE OIL AREA, 2008, TPH, 7 OXYS, VOCs, SVOCs, PESTICIDES, HERBICIDES, METALS
- 13 EPA-ASH 2, 2008, METALS
- 14 EPA-ASH 1, 2008, METALS
- 15 AUTO TOW YARD, 2008, TPH, 7 OXYs, VOCs, SVOCs, METALS
- 16 CONTAMINATED SOIL, 2008, METALS
- 17 CONTAMINATED SOIL, 2008, METALS
- 18 DEBRIS PILE, 2011, UNKNOWN
- 19 VEHICLE, CARGO CONTAINER, AND MODULAR STRUCTURE STORAGE, 2011, TPH, BTEX, 7 OXYs, METALS
- 20 DEBRIS PILE, 2011, UNKNOWN
- 21 POTENTIAL AST/DRUM AND DOMESTIC WELL, 2011, TPH, VOCs, SVOCs, **METALS**
- 22 OPEN GRATE, 2011, CONTAMINATION PATH TO GROUNDWATER
- 23 AST, 2011, TPH
- 24 DRUMS, 2011, TPH, 7 OXYs, VOCs, SVOCs, PESTICIDES, HERBICIDES,
- DRUMS, 2011, TPH, 7 OXYs, VOCs, SVOCs, PESTICIDES, HERBICIDES,
- DRUMS, 2011, TPH, 7 OXYS, VOCs, SVOCs, PESTICIDES, HERBICIDES, **METALS**
- ASTs, 2011, UNKNOWN
- OPEN GRATE, LOCATION COULD NOT BE CONFIRMED, CONTAMINATION PATH TO GROUNDWATER
- PORTABLE TOILET, 2011, COLIFORM BACTERIA
- 30 DRUMS, 2011, TPH, 7 OXYS, VOCs, SVOCs, PESTICIDES, HERBICIDES,
- 31 WASTE OIL AREA, 2008, TPH, 7 OXYs, VOCs, SVOCs, PESTICIDES, HERBICIDES, METALS

# NOTES

1. THE BASEMAP IS CREATED FROM A PHOTO TAKEN IN AUGUST 2010. THE BASEMAP DOES NOT REFLECT CURRENT CONDITIONS AT THE SITE.



# ROAD IA 92802 SHROOM CALIFORNIA CENTER C0RIN ALLEY က FORMER

CONTAMINATION

POTENTIAL

OF

SOURCES

ONSITE

# APPENDIX B

**Site Photographs** 



Picture 1 - Site Overview from Casino Roof, Looking East



Picture 2 - Site Overview of Northwest Corner, Looking East (Overview 1)



Picture 3 - Site Overview of Northeast Corner, Looking East (Overview 2)



Picture 4 - Site Overview of East Side, Looking East (Overview 3)



Picture 5 - Site Overview of Center, Looking East (Overview 4)



Picture 6 - Site Overview of Southeast Corner, Looking East (Overview 5)



Picture 7 - Site Overview of South Side, Looking East (Overview 6)

# APPENDIX C

Regulatory Agency Records Review & Environmental Data Resources, Inc. (EDR) Data

## **Former Mushroom Farm**

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.3

June 21, 2011

# Certified Sanborn® Map Report



## **Certified Sanborn® Map Report**

6/21/11

Site Name: Client Name:

Former Mushroom Farm 33777 Valley Center Road Valley Center, CA 92082 Applied Eng. & Geology 578 E Street Lincoln, CA 95648

EDR Inquiry # 3101178.3 Contact: Earl Stephens



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Applied Eng. & Geology were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Former Mushroom Farm
Address: 33777 Valley Center Road
City, State, Zip: Valley Center, CA 92082

**Cross Street:** 

**P.O.** # NA

**Project:** Former Mushroom Farm

Certification # 973F-49B8-BD31



Sanborn® Library search results Certification # 973F-49B8-BD31

#### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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#### **Former Mushroom Farm**

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.4

June 21, 2011

# **EDR** Historical Topographic Map Report



# **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

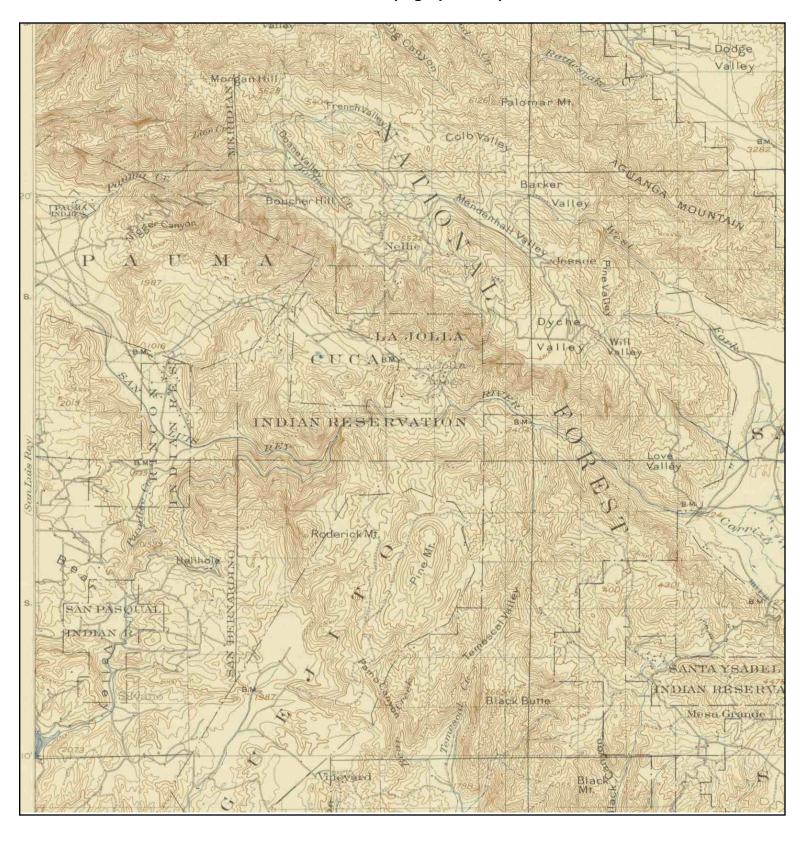
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### **Historical Topographic Map**



**TARGET QUAD** 

NAME: **RAMONA** MAP YEAR: 1903

SERIES: 30 1:125000 SCALE:

SITE NAME:

Former Mushroom Farm ADDRESS: 33777 Valley Center Road

Valley Center, CA 92082

33.2664 / -116.9535 LAT/LONG:

CLIENT: Applied Eng. & Geology

CONTACT: Earl Stephens INQUIRY#: 3101178.4

RESEARCH DATE: 06/21/2011

#### **Historical Topographic Map**





TARGET QUAD

NAME: SOUTHERN CA SHEET 2

MAP YEAR: 1904

SERIES: 60

SCALE: 1:250000

SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

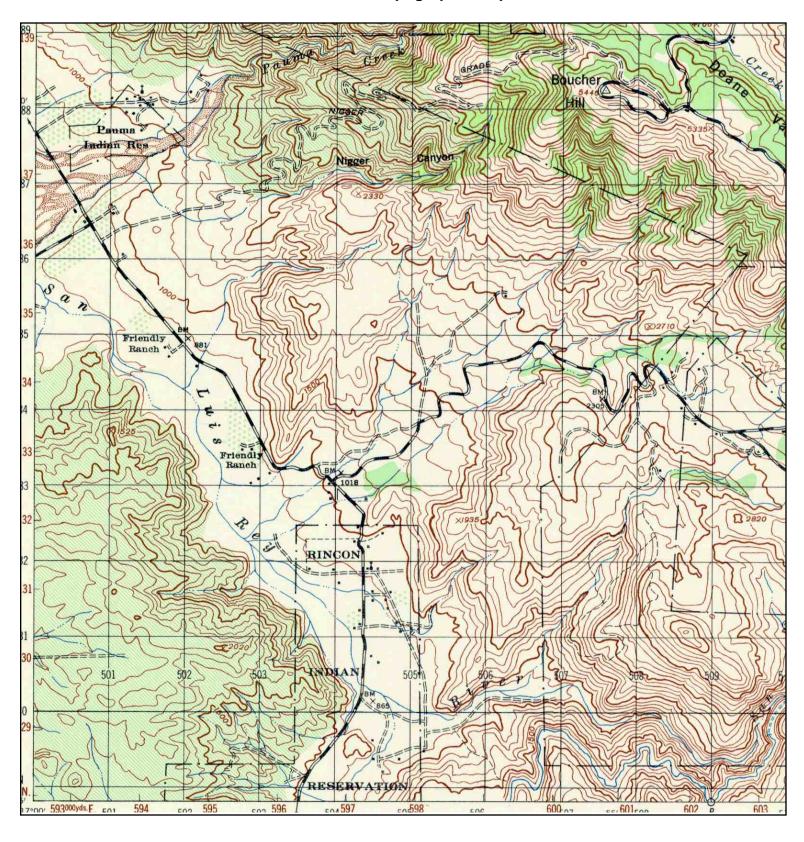
Valley Center, CA 92082

LAT/LONG: 33.2664 / -116.9535

CLIENT: Applied Eng. & Geology

CONTACT: Earl Stephens INQUIRY#: 3101178.4 RESEARCH DATE: 06/21/2011

### **Historical Topographic Map**





TARGET QUAD

NAME: PALOMA MOUNTAIN

MAP YEAR: 1947

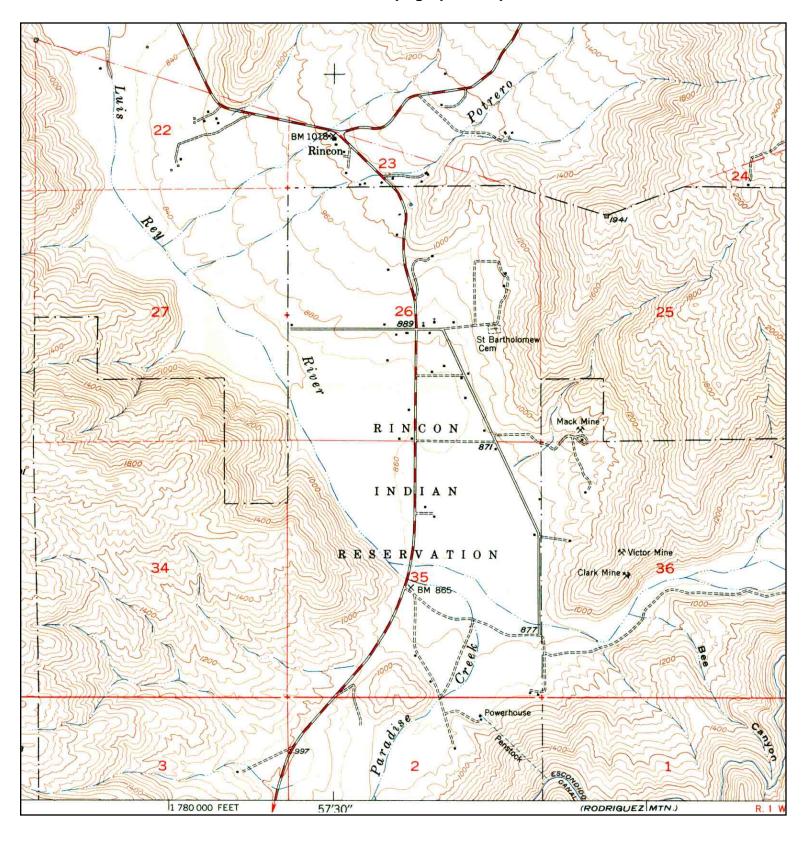
SERIES: 15 SCALE: 1:50000 SITE NAME: Former Mushroom Farm

ADDRESS: 33777 Valley Center Road Valley Center, CA 92082

LAT/LONG: 33.2664 / -116.9535

CLIENT: Applied Eng. & Geology

CONTACT: Earl Stephens INQUIRY#: 3101178.4 RESEARCH DATE: 06/21/2011





TARGET QUAD

NAME: BOUCHER HILL

MAP YEAR: 1950

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

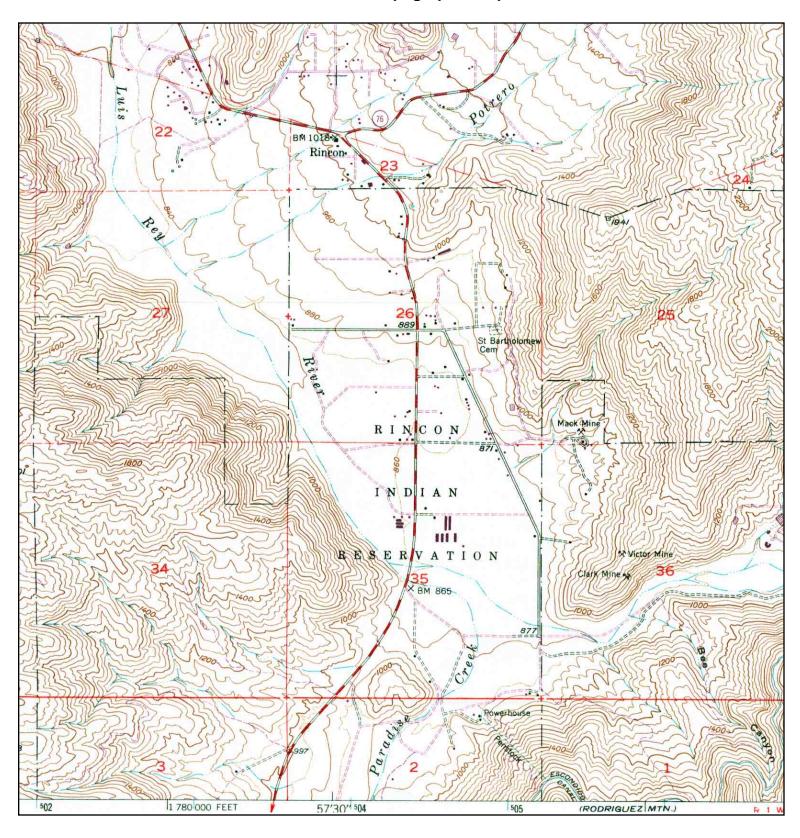
Valley Center, CA 92082

CONTACT: Earl Stephens INQUIRY#: 3101178.4 RESEARCH DATE: 06/21/2011

Applied Eng. & Geology

CLIENT:

LAT/LONG: 33.2664 / -116.9535





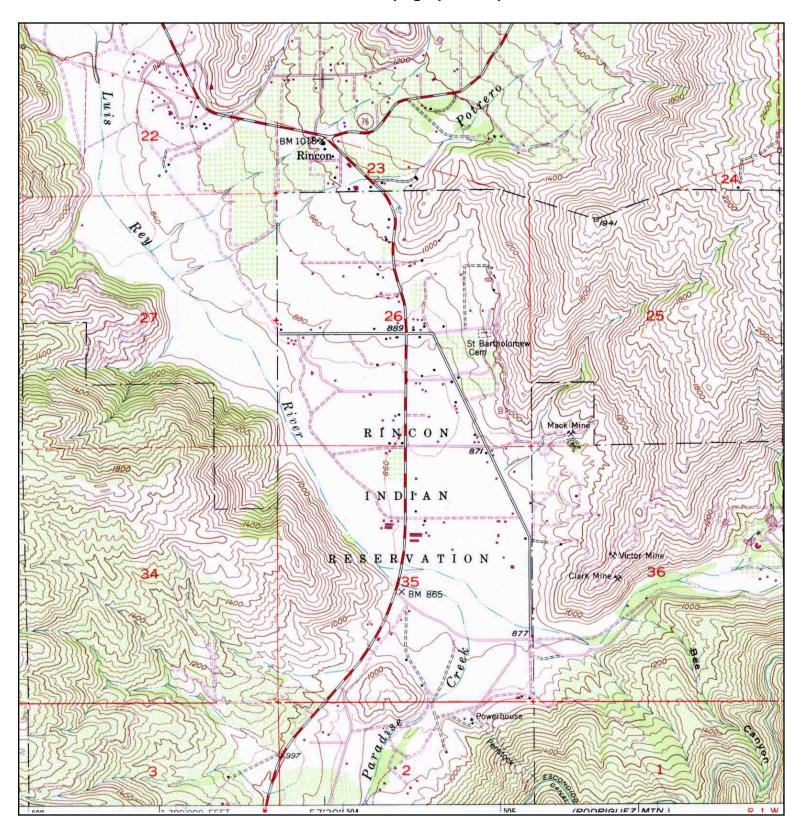
TARGET QUAD

NAME: BOUCHER HILL

MAP YEAR: 1971 PHOTOREVISED:1948

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

Valley Center, CA 92082 LAT/LONG: 33.2664 / -116.9535 CLIENT: Applied Eng. & Geology



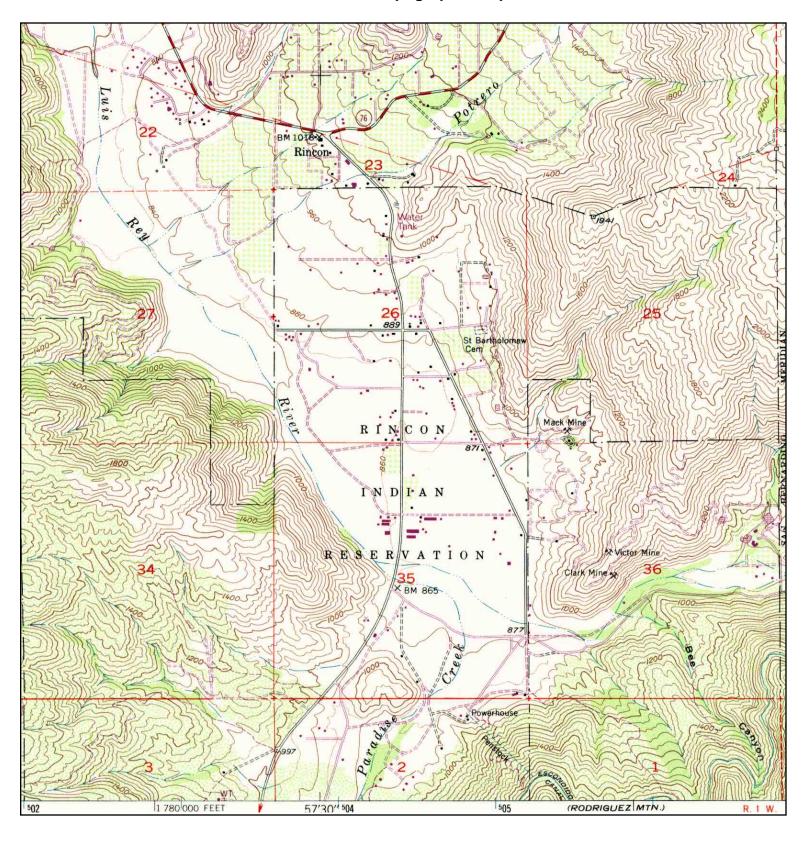


TARGET QUAD

NAME: BOUCHER HILL MAP YEAR: 1982

PHOTOREVISED:1948 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

Valley Center, CA 92082 LAT/LONG: 33.2664 / -116.9535 CLIENT: Applied Eng. & Geology



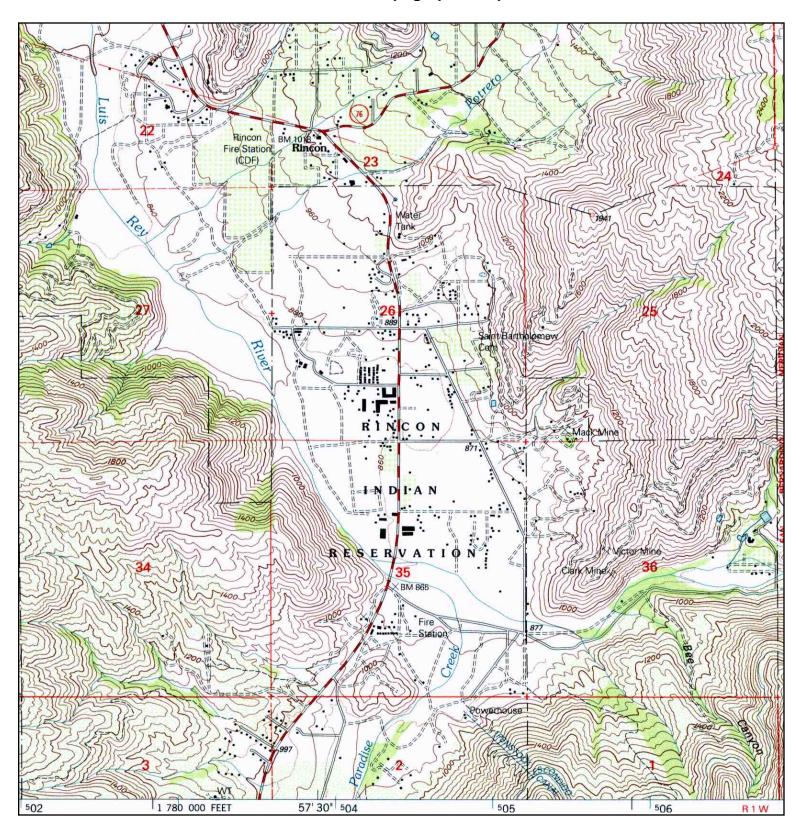


TARGET QUAD

NAME: BOUCHER HILL MAP YEAR: 1988

PHOTOREVISED:1948 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

Valley Center, CA 92082 LAT/LONG: 33.2664 / -116.9535 CLIENT: Applied Eng. & Geology





TARGET QUAD

NAME: BOUCHER HILL

MAP YEAR: 1997

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Former Mushroom Farm ADDRESS: 33777 Valley Center Road

Valley Center, CA 92082

LAT/LONG: 33.2664 / -116.9535

CLIENT: Applied Eng. & Geology

## **Former Mushroom Farm**

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.5

June 27, 2011

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

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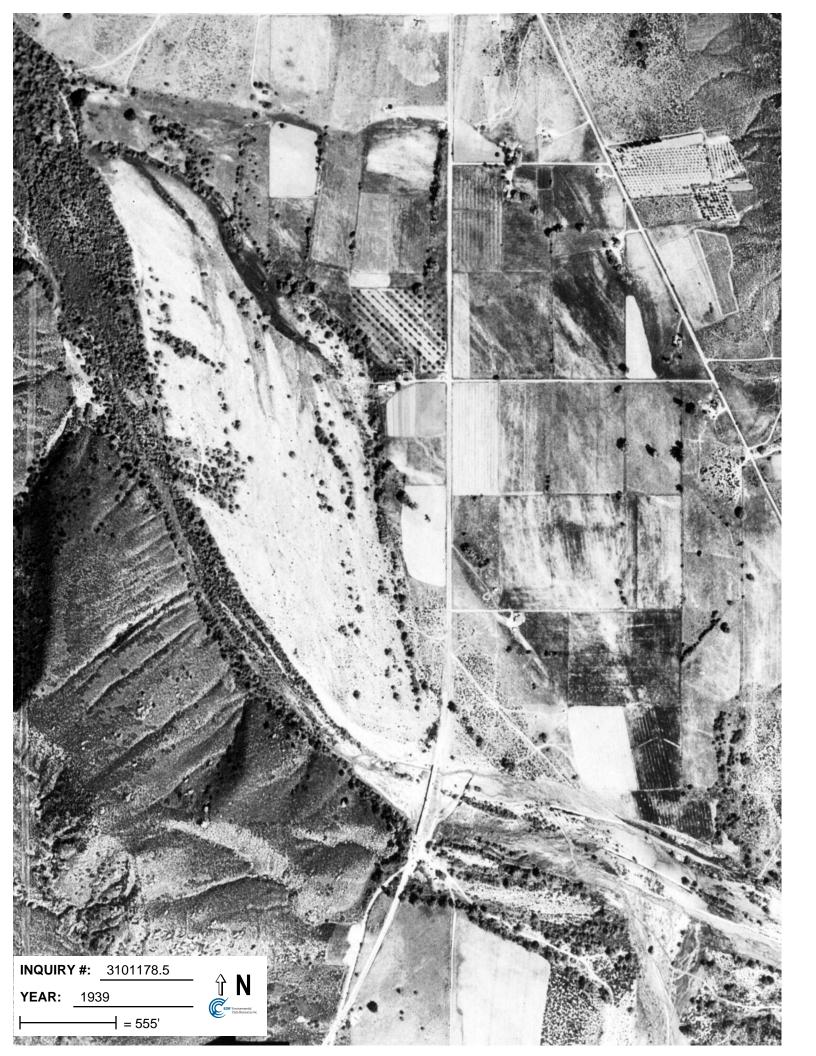
## **Date EDR Searched Historical Sources:**

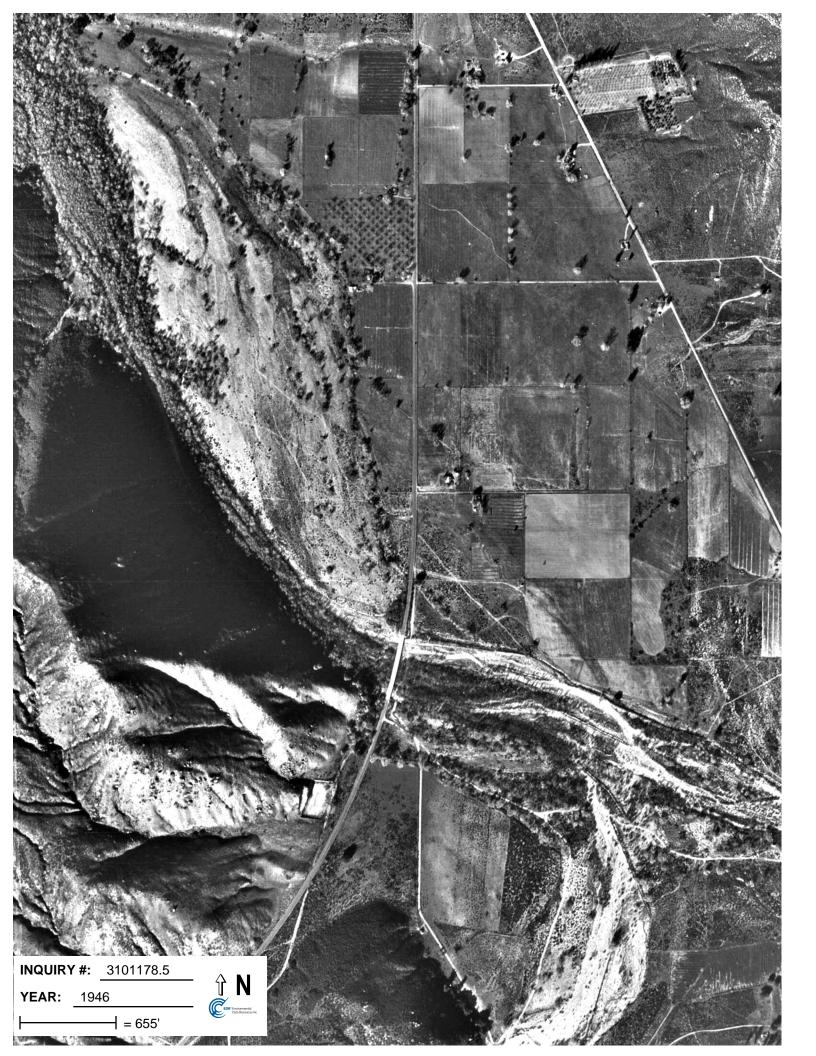
Aerial Photography June 27, 2011

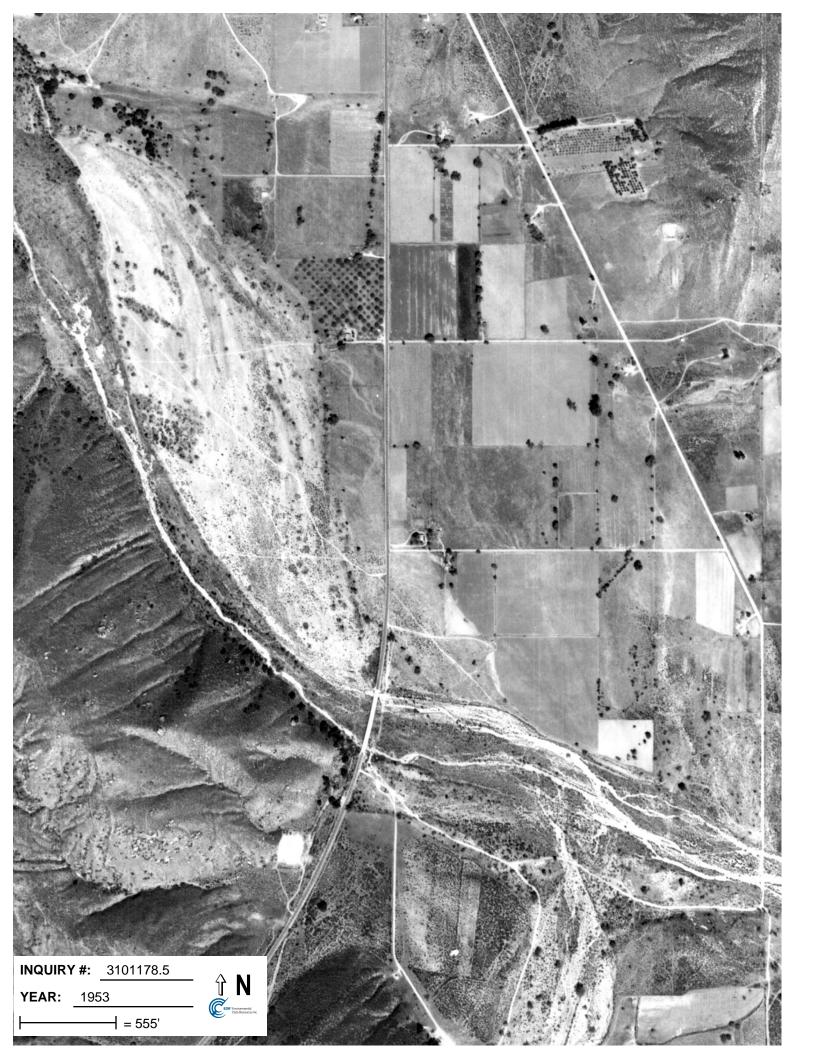
# **Target Property:**

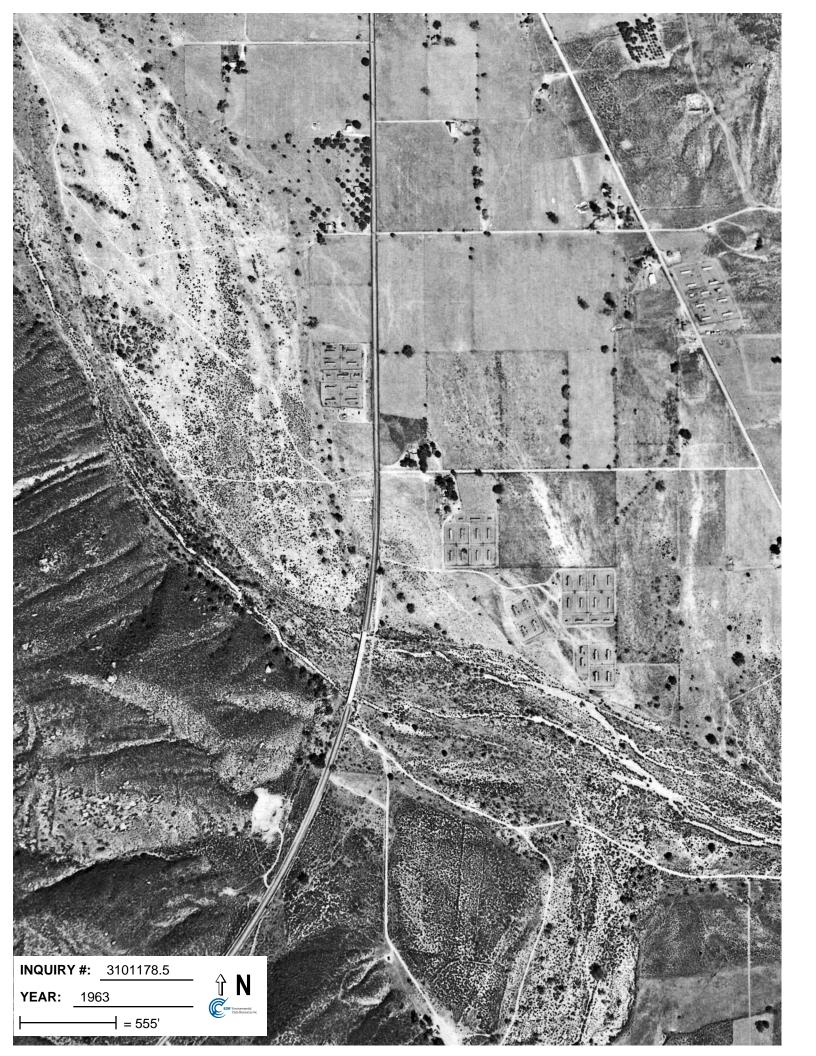
33777 Valley Center Road Valley Center, CA 92082

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Park
1963	Aerial Photograph. Scale: 1"=555'	Flight Year: 1963	Cartwright
1975	Aerial Photograph. Scale: 1"=600'	Flight Year: 1975	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1995	Aerial Photograph. Scale: 1"=666'	Flight Year: 1995	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR



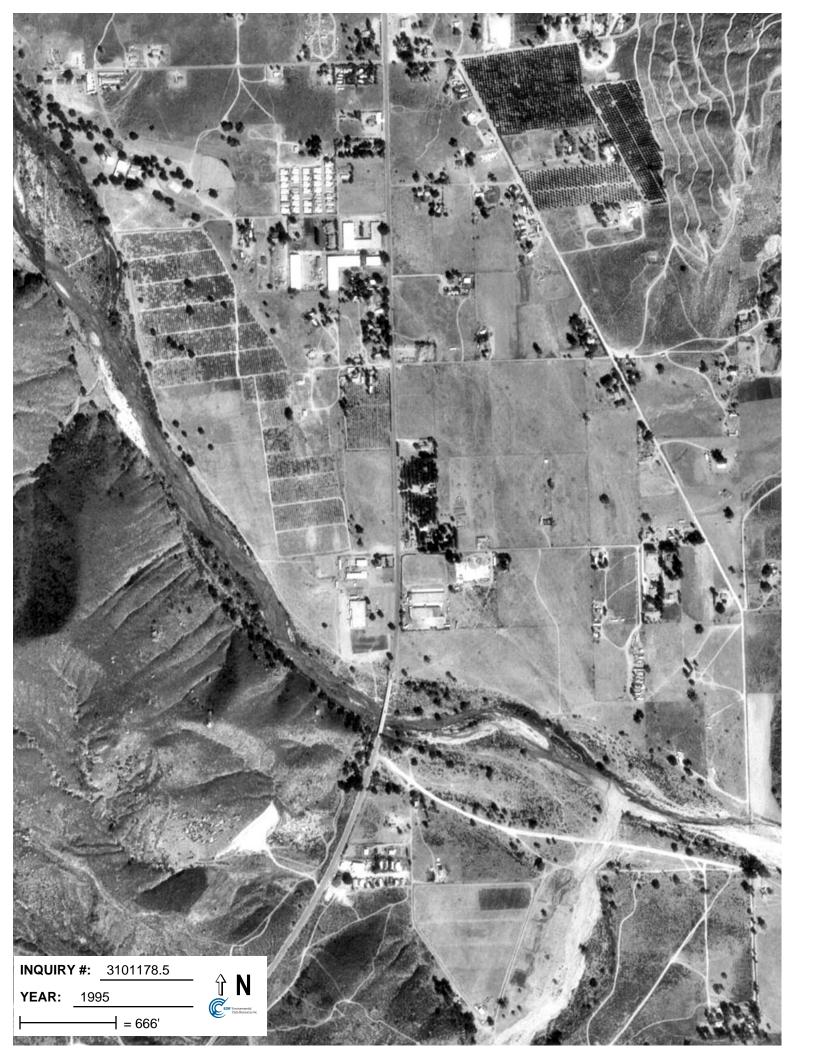














### **Former Mushroom Farm**

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.6

June 24, 2011

# **The EDR-City Directory Abstract**



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#### **SECTION**

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**Findings** 

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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### **EXECUTIVE SUMMARY**

### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
2008	Haines Criss-Cross Directory	X	X	X	-
2001	Haines Criss-Cross Directory	Χ	X	X	-
1994	Haines Criss-Cross Directory	Χ	X	X	-
1988	Haines Criss-Cross Directory	Χ	X	X	-
1980	Haines Criss-Cross Directory	-	X	X	-

## TARGET PROPERTY INFORMATION

## **ADDRESS**

33777 Valley Center Road Valley Center, CA 92082

## **FINDINGS DETAIL**

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	Mushroom Express	Haines Criss-Cross Directory
2001	Mushroom Express	Haines Criss-Cross Directory
1994	Mushroom Express	Haines Criss-Cross Directory
	Rincon Mushroom	Haines Criss-Cross Directory
1988	Rincon Mushroom	Haines Criss-Cross Directory

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

## **Valley Center Road**

Valley	Center	Road
--------	--------	------

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	No other addresses (33600-33899) block Valley Center Road	Haines Criss-Cross Directory
2001	No other addresses (33600-33899) block Valley Center Road	Haines Criss-Cross Directory
1994	No other addresses (33600-33899) block Valley Center Road	Haines Criss-Cross Directory
1988	No other addresses (33600-33899) block Valley Center Road	Haines Criss-Cross Directory
1980	No other addresses (33600-33899) block Valley Center Road	Haines Criss-Cross Directory

#### 33611 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Residential	Haines Criss-Cross Directory
1994	Residential	Haines Criss-Cross Directory
1988	Residential	Haines Criss-Cross Directory

#### 33750 Valley Center Road

<u> Year</u>	<u>Uses</u>	Source
2008	Office Building (5 Occupants)	Haines Criss-Cross Directory
2001	No Return	Haines Criss-Cross Directory

### 33778 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	No Return	Haines Criss-Cross Directory
1994	No Return	Haines Criss-Cross Directory

#### 33780 Valley Center Road

<u>Year</u>	<u>Uses</u>	Source
2001	So Calif Tribal Chairmen's Asn	Haines Criss-Cross Directory
1994	So Calif Tribal Asn	Haines Criss-Cross Directory
1988	So Calif Tribal Asn	Haines Criss-Cross Directory

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# 33800 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Residential	Haines Criss-Cross Directory

## 33805 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	No Return	Haines Criss-Cross Directory
1994	No Return	Haines Criss-Cross Directory
1988	Walker Woods Prdcts	Haines Criss-Cross Directory
1980	No Return	Haines Criss-Cross Directory

## 33811 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	No Return	Haines Criss-Cross Directory
1994	No Return	Haines Criss-Cross Directory
1988	Residential	Haines Criss-Cross Directory

#### 33815 Valley Center Road

<u> Year</u>	<u>Uses</u>	Source
2001	No Return	Haines Criss-Cross Directory
1994	Not When Surfs Up	Haines Criss-Cross Directory

## 33821 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	No Return	Haines Criss-Cross Directory
1988	No Return	Haines Criss-Cross Directory

## 33837 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	Apartments	Haines Criss-Cross Directory
2001	Residential	Haines Criss-Cross Directory
1994	No Return	Haines Criss-Cross Directory
1988	Residential	Haines Criss-Cross Directory
1980	No Return	Haines Criss-Cross Directory

### 33841 Valley Center Road

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	Residential	Haines Criss-Cross Directory
2001	Residential	Haines Criss-Cross Directory

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### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

<u>Address Researched</u> <u>Address Not Identified in Research Source</u>

33777 Valley Center Road 1980

## ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source	
Valley Center Road	No Years Found	
33611 Valley Center Road	1980	
33750 Valley Center Road	1994, 1988, 1980	
33778 Valley Center Road	1988, 1980	
33780 Valley Center Road	1980	
33800 Valley Center Road	1994, 1988, 1980	
33805 Valley Center Road	No Years Found	
33811 Valley Center Road	1980	
33815 Valley Center Road	1988, 1980	
33821 Valley Center Road	1980	
33837 Valley Center Road	No Years Found	
33841 Valley Center Road	1994, 1988, 1980	

Former Mushroom Farm 33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.9s

July 9, 2011

# The EDR Chain of Title Report



The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property

A network of professional abstractors following established procedures, uses client supplied address Information to locate:

- · Historical Chain of Title research
- Leases and Miscellaneous

Thank you for your business.
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#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

Former Mushroom Farm 33777 Valley Center Road Valley Center, CA 92082

#### **Research Source**

Source 1: San Diego County Assessor

Source 2: San Diego County Recorder

Examiner's Note: Public records of San Diego County, California were searched from January 1, 1940 to July 9, 2011 and no other deeds

vesting title in the subject property were found of record during the period searched.

#### **PROPERTY DESCRIPTION**

Current Owner: Marvin Donius, a married man as his sole and separate property

Legal Description: All that certain piece or parcel of land being Tract 137 in Section 35, Township 10 South, Range 1 West, in the County of

San Diego, State of California.

Property Identifiers: 133-180-02-00

#### **HISTORICAL CHAIN OF TITLE**

See Exhibit "A"

#### **LEASES AND MISCELLANEOUS**

See Exhibit "B"

**Chain of Title** 

Exhibit "A"

#### **HISTORICAL CHAIN OF TITLE**

#### PARCEL NO. 1

#### Chain 1

Type of Deed: Deed

Title received from: Cedric R. Roberts
Title is vested in: James C. Mendenhall

Date Recorded: 08/12/1943 Instrument Number: 53550

Type of Deed: Deed

Title received from: James C. Mendenhall

Title is vested in: Edna I. Berglund Date Recorded: 04/17/1952 Instrument Number: 29403

Type of Deed: Deed

Title received from: Edna I. Berglund Title is vested in: Leon J. Welmas Date Recorded: 07/02/1963 Instrument Number: 115261

Type of Deed: Deed

Title received from: Leon J. Welmas

Title is vested in: Earl J. Gilbert and Margaret M. Gilbert

Date Recorded: 05/22/1968 Instrument Number: 85383

Type of Deed: Deed

Title received from: Earl J. Gilbert and Margaret M. Gilbert

Title is vested in: Raynaldo L. Sanchez

Date Recorded: 02/10/1976 Instrument Number: 38840

Type of Deed: Deed

Title received from: Raynaldo L. Sanchez

Title is vested in: Joseph De Giacinto and Lena De Giacinto

Date Recorded: 11/12/1978 Instrument Number: 501903

Type of Deed: Deed

Title received from: Joseph De Giacinto and Lena De Giacinto

Title is vested in: Rincon Mushroom Corporation

Date Recorded: 08/20/1982 Instrument Number: 258243 Type of Deed: Corporation Grant Deed

Title received from: Rincon Mushroom Corporation of America, a California corporation Title is vested in: Marvin Donius, a married man as his sole and separate property

Date Recorded: 12/10/1999 Instrument Number: 804923

## **LEASES and MISCELLANEOUS**

Exhibit "B"

## **LEASES and MISCELLANEOUS**

**1.** Type of Instrument:

	First Party:	
	Second Party:	
	Recorded:	
	Book:	
	Page:	
	Document No.:	
2.	Type of Instrument:	
	First Party:	
	Second Party:	
	Recorded:	
	Book:	
	Dane	
	Page:	
	Document No.:	
	•	

	Recording requested by  The First American Title Many	•	
, ORDI	** First American Title 3-CP	<i>:</i>	
₹ ZPN	133-180-02	٠	DOC # 1999-0804923
¥	WHEN RECORDED MAIL TO	5604	
	MARVIN DONIUS	2003	Dec 10, 1999 1:57 P
Name	3777 Valley Center Road		###********
Street	Valley Center, CA 92027		OFFICIAL RECORDS
Address	variey cencer, CA 92027		SAN DIEGO COUNTY RECORDER'S OFFICE
City State			GREGORY J. SMITH, COUNTY RECORDER FEES: 490.00
Zip		•	0C: 0C
			CO. CO.
/	<u>-1</u>		SPACE ABOVE THIS LINE
61-	1223916-7 Corpo	oration Grai	
`X U _			) samur tipin talip leka teli talip pika teli talih pika teli talih bila telih tiba teli
\ <sub>M</sub>	The undersigned grantor(s) declare(s):		
<i>X</i> \	Documentary transfer tax is \$ 473.00		
$-\mathcal{L}\setminus \mathcal{N}$	(X) computed on full value of property con	veved, or	
- 77	( ) computed on full value less value of lie	ns and encumbra	nces remaining at time of sale.
1/4	(X) Unincorporated area: () City of		
191	( ) Realty not sold.	<del>4/4-4-</del> ({ <del>************************************</del>	*
V	FOR A VALUABLE CONSIDERATION,	receipt of which i	s hereby acknowledged,
	RINCON MUSHROOM CORPORATION OF	AMERICA, a C	alirornia Corporation
	hereby GRANT(S) to MARVIN DONIUS	. A Married N	Man as his Sole and
	Separate Proper		man year water
		4	
	that property in SAN DIEGO County, S	tate of Cali	fornia, described as: Tract 137 in
	Section 35, Township 10 South,	kange I west	, San Bernardino Meridian, in the coording to Official Plat thereof.
	Country of San Diego, State of C	arriorina, a	coloning to official flat distable.
	Cranton at add	mena abouta	
	Mail Tax Statements to Grantee at add	ress above	
	DateJuly 15, 1999		•
	Date	_	In Witness Whereof, said corporation has caused its corporate
			name and seal to be affixed hereto and this instrument to be executed by its duly authorized officers.
			RINCON MUSHROOM CORPORATION OF
			AMERICA
•	STATE OF CALIFORNIA		$\mathcal{D}$ $\mathcal{A}$
•	COUNTY OF SAV DIEGO		/ Robert A house real
,		•	
	On JULY 27 1999 undersigned, a Notary Public in and for said State, person	before me, the	$OM \cdot V$
	ROBERT A MORROW + ROB		Kave I Jan
	FRAZAR		
	personally known to me (or proved to me on the	basis of satisfactory	
;	evidence) to be the person(s) whose name(s) is/are sub- instrument and acknowledged to me that he/she/they	scribed to the within	
	his/her/their authorized capacity(ies), and that by his/her	r/their signature(s) on	CAROLA PAOPAO B
	the instrument the person(s), or the entity upon behalf of	of which the person(s)	
	acted, executed the instrument.		Notary Public - California S San Diego County F
	WITNESS my hand and official seal.	مسورة	My Comm. Expires Jul 4, 2002
	Signature and a Pary M	w	
	CARALA DAMBA	$\overline{\Delta}$	
	Name (typed or printed)	<u> </u>	(This area for affinish material easily
	FTGIS-130 8/94		(This area for official notarial seal)

**Former Mushroom Farm** 

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.7

June 23, 2011

# The EDR Environmental LienSearch™ Report



## The EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- · search for parcel information and/or legal description;
- · search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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## The EDR Environmental LienSearch™ Report

#### **TARGET PROPERTY INFORMATION**

#### **ADDRESS**

33777 Valley Center Road Former Mushroom Farm Valley Center, CA 92082

#### **RESEARCH SOURCE**

Source 1:

San Diego Recorder San Diego, CA

#### **PROPERTY INFORMATION**

#### Deed 1:

Type of Deed: deed

Title is vested in: Marvin Donius

Title received from: Rincon Mushroom Corp of America

Deed Dated 7/15/1999
Deed Recorded: 12/10/1999

Book: na
Page: na
Volume: NA
Instrument: na
Docket: NA

Land Record Comments: See Exhibit

Miscellaneous Comments: na

Legal Description: See Exhibit

Legal Current Owner: Marvin Donius

Property Identifiers: 133-180-02

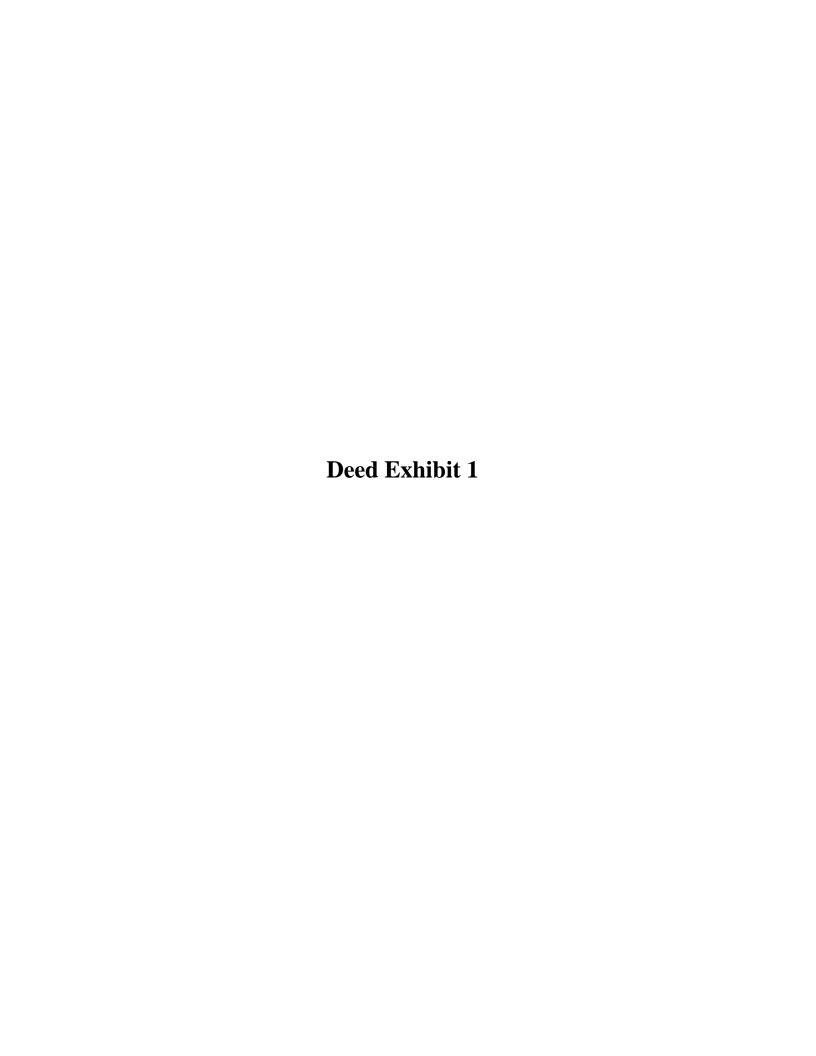
Comments: See Exhibit

#### **ENVIRONMENTAL LIEN**

Environmental Lien: Found Not Found 🗵

## OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☑



Recording requested by mpany First American Title ORDER # )-CP # 1999-0804923 33-180-02 WHEN RECORDED MAIL TO 5604 Dec 10. 1999 1:57 PM MARVIN DONIUS Name 3777 Valley Center Road OFFICIAL RECORDS Street Valley Center, CA 92027 SAN DIEGO COUNTY RECORDER'S OFFICE Address GREGORY J. SMITH, COUNTY RECORDER City FEES: 490.00 Zip Œ: OC: SPACE ABOVE THIS LINE **Corporation Grant Deed** 223916-7 The undersigned grantor(s) declare(s): Documentary transfer tax is \$ 473.00 (X) computed on full value of property conveyed, or ) computed on full value less value of liens and encumbrances remaining at time of sale. X) Unincorporated area: ( ) City of ) Realty not sold. FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, RINCON MUSHROOM CORPORATION OF AMERICA, a California Corporation hereby GRANT(S) to MARVIN DONIUS, A Married Man as his Sole and Separate Property that property in SAN DIEGO County, State of California, described as: Tract 137 in Section 35, Township 10 South, Range 1 West, San Bernardino Meridian, in the County of San Diego, State of California, according to Official Plat thereof. Mail Tax Statements to Grantee at address above July 15, 1999 In Witness Whereof, said corporation has caused its corporate name and seal to be affixed hereto and this instrument to be executed by its duly authorized officers. RINCON MUSHROOM CORPORATION OF **AMERICA** STATE OF CALIFORNIA COUNTY OF SAN DIE OF on JULY 27 before me, the undersigned, a Notary Public in and for said State, personally appeared OBERT A MORKOW + ROBERT FRAZAR personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in CAROLA, PAOPAO his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) Commission # 1188993 acted, executed the instrument. Notary Public - California San Diego County WITNESS my hand and official seal. My Comm. Expires Jul 4, 2002

FTGIS-130 8/94

(This area for official notarial seal)

### **Former Mushroom Farm**

33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.8

June 21, 2011

# The EDR Property Tax Map Report



# **EDR Property Tax Map Report**

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

Thank you for your business.

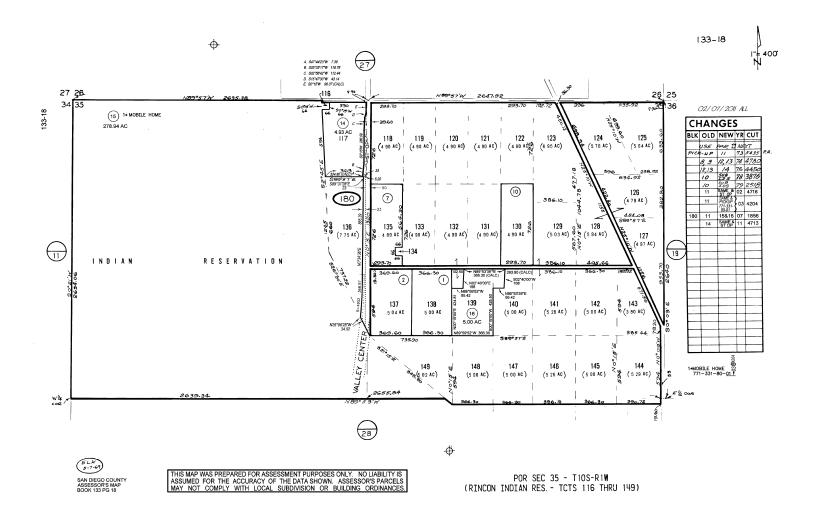
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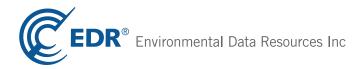


Former Mushroom Farm 33777 Valley Center Road Valley Center, CA 92082

Inquiry Number: 3101178.2s

June 21, 2011

# The EDR Radius Map™ Report with GeoCheck®



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### TARGET PROPERTY INFORMATION

#### **ADDRESS**

33777 VALLEY CENTER ROAD VALLEY CENTER, CA 92082

### **COORDINATES**

Latitude (North): 33.266400 - 33° 15' 59.0" Longitude (West): 116.953500 - 116° 57' 12.6"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 504330.8 UTM Y (Meters): 3680629.8

Elevation: 865 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33116-C8 BOUCHER HILL, CA

Most Recent Revision: 1988

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Photo Year: 2005 Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
33777 VALLEY CENTER ROAD 33777 VALLEY CENTER ROAD VALLEY CENTER, CA	ERNS	N/A
MUSHROOM EXPRESS 33777 VALLEY CENTER ROAD VALLEY CENTER, CA 92082	FINDS	N/A
MUSHROOM EXPRESS 33777 VALLEY CENTER RD VALLEY CENTER, CA	CERCLIS	CAN000908607
MARVIN DONIUS 33777 VALLEY CENTER RD VALLEY CENTER, CA 92082	San Diego Co. HMMD HAZNET	N/A

33777 VALLEY CENTER RD. 33777 VALLEY CENTER RD. VALLEY CENTER, CA 92082 **CHMIRS** 

N/A

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

Federal	NIDI	-:4-	1:-4
recerai	NPL	Site	IIST

NPL..... National Priority List

Proposed NPL..... Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF...... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG...... RCRA - Large Quantity Generators RCRA-SQG...... RCRA - Small Quantity Generators

RCRA-CESQG...... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST...... Geotracker's Leaking Underground Fuel Tank Report

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST...... Underground Storage Tanks on Indian

State and tribal voluntary cleanup sites

VCP.....Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS...... Registered Waste Tire Haulers Listing

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

SCH...... School Property Evaluation Program

Toxic Pits Cleanup Act Sites

CDL......Clandestine Drug Labs
US HIST CDL......National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

SWEEPS UST...... SWEEPS UST Listing

#### Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

LIENS..... Environmental Liens Listing DEED..... Deed Restriction Listing

### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

LDS..... Land Disposal Sites Listing MCS..... Military Cleanup Sites Listing

#### Other Ascertainable Records

RCRA-NonGen\_\_\_\_\_RCRA - Non Generators DOT OPS..... Incident and Accident Data DOD..... Department of Defense Sites FUDS...... Formerly Used Defense Sites

CONSENT...... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision UMTRA..... Uranium Mill Tailings Sites MINES..... Mines Master Index File

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS....... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS\_\_\_\_\_\_Integrated Compliance Information System

PADS...... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

RAATS...... RCRA Administrative Action Tracking System

CA BOND EXP. PLAN..... Bond Expenditure Plan WDS..... Waste Discharge System NPDES Permits Listing

HIST CORTESE..... Hazardous Waste & Substance Site List

Notify 65..... Proposition 65 Records DRYCLEANERS..... Cleaner Facilities

WIP..... Well Investigation Program Case List

EMI..... Emissions Inventory Data

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

HWP..... EnviroStor Permitted Facilities Listing

HWT...... Registered Hazardous Waste Transporter Database COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

FINANCIAL ASSURANCE.... Financial Assurance Information Listing PCB TRANSFORMER\_\_\_\_\_PCB Transformer Registration Database

PROC..... Certified Processors Database

..... Medical Waste Management Program Listing

COAL ASH DOE...... Sleam-Electric Plan Operation Data

### **EDR PROPRIETARY RECORDS**

### **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

EDR Historical Auto Stations\_ EDR Proprietary Historic Gas Stations EDR Historical Cleaners\_ EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VISTA DEL RIO	33811 VALLEY CENTER RD	NNW 0 - 1/8 (0.049 mi.)	6	14

### Other Ascertainable Records

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

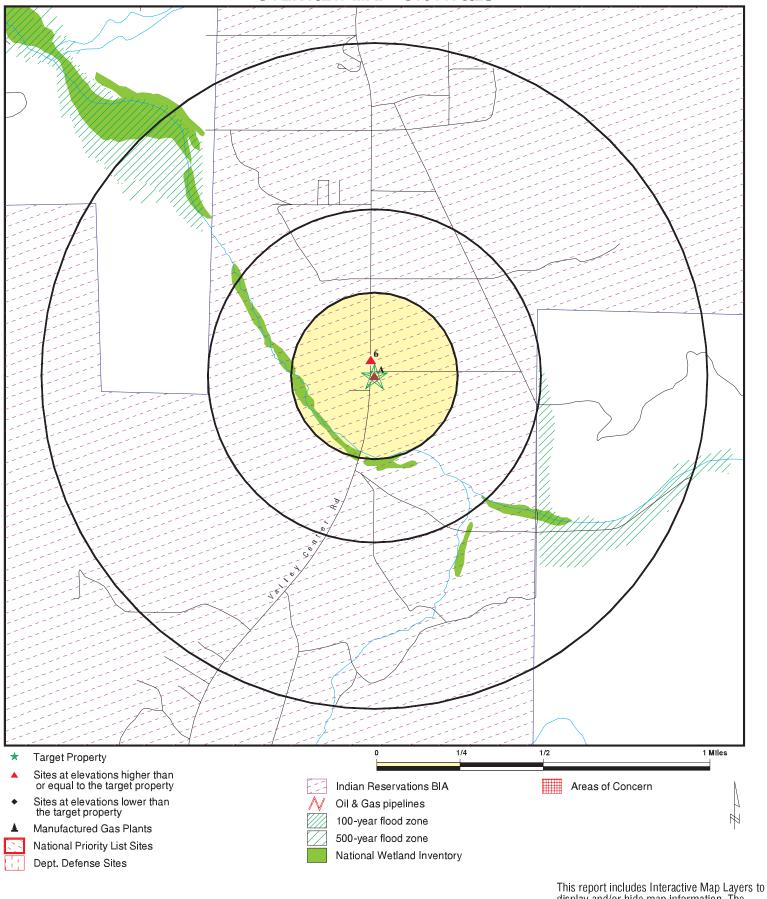
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RINCON INDIAN RESERVATION		0 - 1/8 (0.000 mi.)	0	13

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name Database(s)

VALLEY CENTER LANDFILL STARSTREAM VALLEY CENTER 1 VULCAN MATERIALS CO. LA JOLLA TRADING POST SWF/LF SWF/LF MINES INDIAN UST

# **OVERVIEW MAP - 3101178.2s**



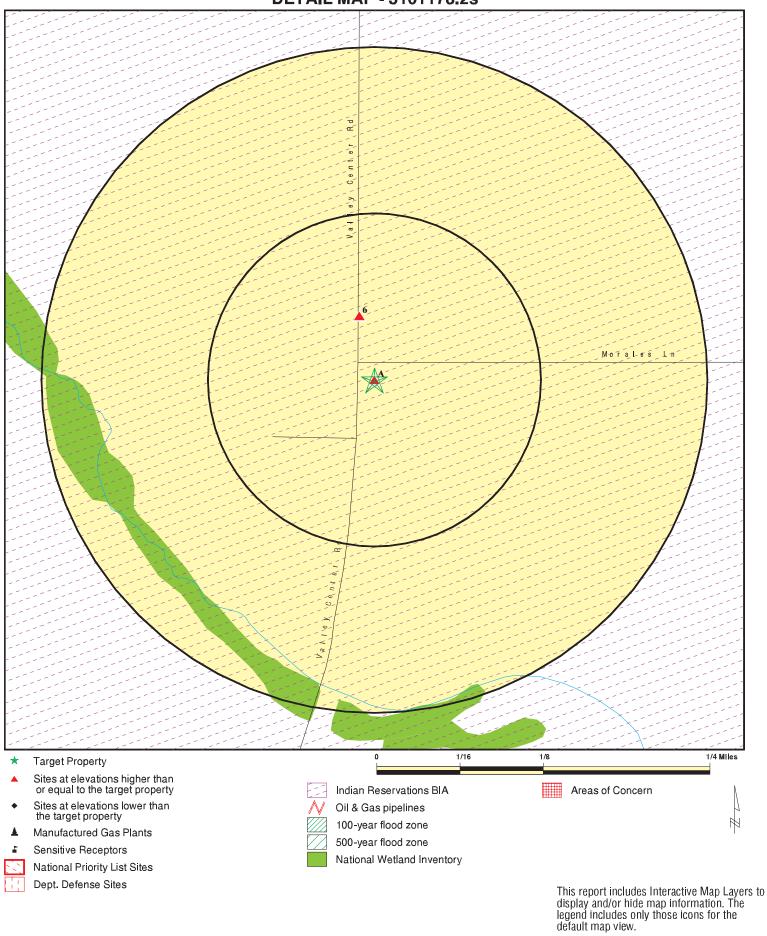
display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Mushroom Farm 33777 Valley Center Road Valley Center CA 92082 ADDRESS:

LAT/LONG: 33.2664 / 116.9535 CLIENT: Applied Eng. & CONTACT: Earl Stephens Applied Eng. & Geology INQUIRY#:

3101178.2s DATE: June 21, 2011 2:41 pm

# **DETAIL MAP - 3101178.2s**



SITE NAME: Former Mushroom Farm
ADDRESS: 33777 Valley Center Road
Valley Center CA 92082
LAT/LONG: 33.2664 / 116.9535

CLIENT: Applied Eng. & Geology
CONTACT: Earl Stephens
INQUIRY #: 3101178.2s
DATE: June 21, 2011 2:42 pm

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	Χ	0.500 1.000	0 0	0 0	0 0	NR 0	NR NR	0 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	ist						
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls re								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS	Χ	TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
RESPONSE		1.000	0	0	0	0	NR	0
State- and tribal - equiva	alent CERCLIS	S						
ENVIROSTOR		1.000	0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking	storage tank l	ists						
LUST SLIC		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SAN DIEGO CO. SAM INDIAN LUST		0.500 0.500	0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere	ed storage tar	nk lists						
UST AST INDIAN UST FEMA UST		0.250 0.250 0.250 0.250	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal voluntar	y cleanup site	es						
VCP INDIAN VCP		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMEN	ITAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
DEBRIS REGION 9 ODI WMUDS/SWAT SWRCY HAULERS INDIAN ODI		0.500 0.500 0.500 0.500 TP 0.500	0 0 0 0 NR 0	0 0 0 0 NR 0	0 0 0 0 NR 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US CDL HIST Cal-Sites SCH Toxic Pits CDL San Diego Co. HMMD US HIST CDL	X	TP 1.000 0.250 1.000 TP TP TP	NR 0 0 0 NR NR NR	NR 0 0 0 NR NR NR	NR 0 NR 0 NR NR NR	NR 0 NR 0 NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registered	d Storage Tar	nks						
CA FID UST HIST UST SWEEPS UST		0.250 0.250 0.250	0 1 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
Local Land Records								
LIENS 2 LUCIS LIENS DEED		TP 0.500 TP 0.500	NR 0 NR 0	NR 0 NR 0	NR 0 NR 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Records of Emergency I	Release Repo	rts						
HMIRS		TP	NR	NR	NR	NR	NR	0

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS LDS MCS	Χ	TP TP TP	NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Reco	ords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD UMTRA MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS PADS MLTS RADINFO FINDS RAATS CA BOND EXP. PLAN WDS NPDES Cortese HIST CORTESE Notify 65 DRYCLEANERS WIP HAZNET EMI INDIAN RESERV SCRD DRYCLEANERS HWP HWT COAL ASH EPA FINANCIAL ASSURANCE PCB TRANSFORMER PROC	X X	0.250 TP 1.000 1.000 1.000 1.000 0.500 0.250 TP	0 R 0 0 0 0 0 0 R R R R R R R R R R R R	OROOOOORRRRRRRRRRRNORROOOORROOONRRO	NR O O O O O R R R R R R R R R R R R R O O O R R R R O	NR O O O O R R R R R R R R R R R R R R R	NR R R R R R R R R R R R R R R R R R R	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MWMP COAL ASH DOE		0.250 TP	0 NR	0 NR	NR NR	NR NR	NR NR	0 0
EDR PROPRIETARY RECOR	<u>DS</u>							
EDR Proprietary Records								
Manufactured Gas Plants EDR Historical Auto Station	ns	1.000 0.250	0 0	0 0	0 NR	0 NR	NR NR	0 0

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

A1 33777 VALLEY CENTER ROAD ERNS 2008859371
Target 33777 VALLEY CENTER ROAD N/A

Target 33777 VALLEY CENTER
Property VALLEY CENTER, CA

Site 1 of 5 in cluster A

Actual: Click this hyperlink while viewing on your computer to access

865 ft. additional ERNS detail in the EDR Site Report.

A2 MUSHROOM EXPRESS FINDS 1009323556
Target 33777 VALLEY CENTER ROAD N/A

Target 33777 VALLEY CENTER ROAD Property VALLEY CENTER, CA 92082

Site 2 of 5 in cluster A

Actual: FINDS:

865 ft.

Registry ID: 110024280142

Environmental Interest/Information System

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

 A3
 MUSHROOM EXPRESS
 CERCLIS
 1011845467

 Target
 33777 VALLEY CENTER RD
 CAN000908607

 Property
 VALLEY CENTER, CA

Site 3 of 5 in cluster A

Actual: CERCLIS: 865 ft. Site ID:

 Site ID:
 0908607

 EPA ID:
 CAN000908607

 Facility County:
 SAN DIEGO

Short Name: MUSHROOM EXPRESS

Congressional District: Not reported IFMS ID: Not reported SMSA Number: Not reported USGC Hydro Unit: Not reported

Federal Facility: Not a Federal Facility

**EDR ID Number** 

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

### **MUSHROOM EXPRESS (Continued)**

1011845467

**EDR ID Number** 

DMNSN Number: Not reported
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported

Site Init By Prog: R

NFRAP Flag: Not reported Parent ID: Not reported RST Code: Not reported

EPA Region: 09

Classification:

Site Settings Code:

Not reported

Not reported

Not on the NPL

DMNSN Unit Code:

RBRAC Code:

RResp Fed Agency Code:

Not reported

Not reported

Not reported

Not reported

Not reported

Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Non NPL Status Date: 20080111
Site Fips Code: 06073
CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

 Contact ID:
 9270669.00000

 Contact Name:
 Craig Benson

 Contact Tel:
 (562) 499-6312

Contact Title: On-Scene Coordinator (OSC)

Contact Email: Not reported

 Contact ID:
 13002167.00000

 Contact Name:
 Carl Brickner

 Contact Tel:
 (415) 972-3814

Contact Title: Site Assessment Manager (SAM)

Contact Email: Not reported

 Contact ID:
 9271184.00000

 Contact Name:
 Karen Jurist

 Contact Tel:
 (415) 972-3219

Contact Title: Site Assessment Manager (SAM)

Contact Email: Not reported

 Contact ID:
 9270438.00000

 Contact Name:
 Dawn Richmond

 Contact Tel:
 (415) 972-3097

Contact Title: Site Assessment Manager (SAM)

Contact Email: Not reported

Alias Comments: Not reported

Site Description: Not reported CERCLIS Assessment History:

Action Code: 001

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL

 Date Started:
 01/11/2008

 Date Completed:
 08/22/2008

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **MUSHROOM EXPRESS (Continued)**

1011845467

Priority Level: Cleaned up SITEWIDE Operable Unit: Primary Responsibility: Responsible Party Planning Status: Primary Urgency Indicator: Time Critical Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access additional US CERCLIS Financial: detail in the EDR Site Report.

Α4 **MARVIN DONIUS** 33777 VALLEY CENTER RD **Target Property VALLEY CENTER, CA 92082**  San Diego Co. HMMD S104752095 **HAZNET** N/A

#### Site 4 of 5 in cluster A

Actual: 865 ft.

San Diego Co. HMMD:

Facility ID: 129474 Inactive Indicator: Active **Business Code:** Not reported SIC: Not reported Permit Expiration: Not reported

Owner: CHRIST ROUSSEFF

2nd Name: Not reported

Map Code/Business Plan on File:

Mailing Address: 33777 VALLEY CENTER Mailing City, St, Zip: VALLEY CENTER, CA 92082

Not reported

Corporate Code: Not reported Fire Dept District: Not reported Census Tract Number: 191.0 EPA ID: Not reported Not reported Gas Station: 09/03/91 Inspection Date: Reinspection Date: Not reported Inspector Name: **LEGACY** Violation Notice Issued: Not reported Facility Contact: KIM BARROW Delinquent Flag: Not Delinquent Last Update: 08/30/10 Last Delinquent Letter: Not reported **Delinquent Comment:** Not reported Last Letter Type: Not reported Property Owner: **DONIUS MARVIN** Property Address: 33777 VALLEY CENTER Property City, St, Zip: VALLEY CENTER, CA 92082

Tank Owner: Not reported Tank Address: Not reported Tank City, St, Zip: Not reported Business Plan Acceptance Date: Not reported Reinspection Date Y2K Compatible: Not reported Facility Phone: 619-749-3328

HMMD DISCLOSURE INVENTORY:

Item Number: Not reported Not reported Chemical Name: Case Number: Not reported Map ID MAP FINDINGS

Direction
Distance

Elevation Site Database(s) EPA ID Number

### **MARVIN DONIUS (Continued)**

S104752095

**EDR ID Number** 

Quantity Stored At One Time:

Quantity Stored at One Time:

Annual Quantity String:

Annual Quantity String:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Carcinogen: No

1st Hazard Category: Not reported 2nd Hazard Category: Not reported

#### HMMD UNDERGROUND TANKS:

Tank Number: Not reported
Tank ID Number: Not reported
Waste or Product: Not reported
Tank Contents: Not reported

#### HMMD VIOLATIONS:

Inspection Date: Not reported Waste Code: Not reported Occurrences: Not reported Item Number: Not reported

#### HMMD WASTE STREAMS:

Inspection Date: Not reported Not reported Waste Item #: Waste Code: Not reported Not reported Waste Name: **Qnty at Inspection:** Not reported Quantity String: Not reported Not reported Annual Qty: Annual Qty String: Not reported Measurement Unit: Not reported Treatment Method: Not reported Storage Method: Not reported Haz Waste Hauler: Not reported Waste Desc: Not reported Carcinogen: No

HAZNET:

Year: 2008

Gepaid: CAC002633688
Contact: MARVIN DONIUS
Telephone: 8312540410
Mailing Name: Not reported

Mailing Address: 33777 VALLEY CENTER RD
Mailing City,St,Zip: VALLEY CENTER, CA 928026014

Gen County: San Diego
TSD EPA ID: CAR000157206
TSD County: Riverside

Waste Category: Other organic solids

Disposal Method: Not reported

Tons: 47

Facility County: San Diego

Year: 2008

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **MARVIN DONIUS (Continued)**

S104752095

Gepaid: CAC002633688 MARVIN DONIUS Contact: Telephone: 8312540410 Mailing Name: Not reported

Mailing Address: 33777 VALLEY CENTER RD Mailing City, St, Zip: VALLEY CENTER, CA 928026014

Gen County: San Diego TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Other organic solids

LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL( TO Disposal Method:

INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)

Tons: 0.6 Facility County: San Diego

Α5 **CHMIRS** S110419593 N/A

**Target** 33777 VALLEY CENTER RD. **VALLEY CENTER, CA 92082 Property** 

#### Site 5 of 5 in cluster A

Actual: 865 ft.

CHMIRS:

'08-0351 **OES Incident Number:** 

1/10/2008 5:05:45 PM OES notification:

OES Date: Not reported OES Time: Not reported Incident Date: Not reported **Date Completed:** Not reported Not reported Property Use: Not reported Agency Id Number: Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported Not reported Surrounding Area: **Estimated Temperature:** Not reported Property Management: Not reported Special Studies 1: Not reported Not reported Special Studies 2: Special Studies 3: Not reported Special Studies 4: Not reported Special Studies 5: Not reported Special Studies 6: Not reported

More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Responding Agency Personel # Of Injuries: Not reported Responding Agency Personel # Of Fatalities: Not reported Others Number Of Decontaminated: Not reported Others Number Of Injuries: Not reported Others Number Of Fatalities: Not reported

Vehicle Make/year: Not reported Vehicle License Number: Not reported Not reported Vehicle State: Not reported Vehicle Id Number: CA/DOT/PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Comments: Not reported Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) S110419593

Facility Telephone: Not reported Waterway Involved: No Waterway: Not reported Spill Site: Other Cleanup By: Contractor Containment: Not reported What Happened: Not reported Not reported Type: Measure: Gal(s) Other: Not reported 0900 Date/Time: 2008 Year:

Agency: San Diego Gas and Electric

Incident Date: 1/9/2008

Admin Agency: San Diego County Health Services Dept.

Amount: Not reported

Contained: Yes

Site Type: Not reported
E Date: Not reported
Substance: Transformer Oil

Quantity Released: 100

BBLS: Not reported Cups: Not reported CUFT: Not reported Not reported Gallons: Not reported Grams: Not reported Pounds: Liters: Not reported Not reported Ounces: Pints: Not reported Not reported Quarts: Sheen: Not reported Tons: Not reported Unknown: Not reported

Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0

Description: The transformer was damaged during the fires in October, 2007.

\_\_\_\_\_

IND RES RINCON INDIAN RESERVATION Region

RINCON INDIAN RESERVATION (County), CA

< 1/8 1 ft.

INDIAN RESERV:

Feature: Indian Reservation
Name: Rincon Indian Reservation

Agency: BIA State: CA CIND100545

N/A

**INDIAN RESERV** 

**EDR ID Number** 

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

6 VISTA DEL RIO HIST UST U001572434
NNW 33811 VALLEY CENTER RD N/A

< 1/8 VALLEY CENTER, CA 92082

0.049 mi. 261 ft.

Relative: HIST UST:

 Equal
 Region:
 STATE

 Facility ID:
 00000041721

 Actual:
 Facility Type:
 Other

865 ft. Other Type: SMUGE POTS

Total Tanks: 0001 Contact Name: Not reported Telephone: 6197491144

Owner Name: GYRO ENGINEERING CORP.

Owner Address: P.O. BOX 500

Owner City, St, Zip: VALLEY CENTER, CA 92082

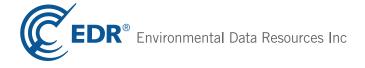
001 Tank Num: Container Num: 1 1976 Year Installed: 00010000 Tank Capacity: Tank Used for: **PRODUCT** Type of Fuel: DIESEL Tank Construction: 1/4 inches Leak Detection: Visual

**EDR ID Number** 

MUSHROOM EXPRESS 33777 VALLEY CENTER RD VALLEY CENTER, CA

Inquiry Number: August 3, 2011

# **EDR Site Report**™



### TABLE OF CONTENTS

The EDR-Site Report<sup>™</sup> is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Section	n 1: Facility Summary
;	Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.
Section	n 2: Facility Detail Reports
,	All available detailed information from databases where sites are identified.
Section	n 3: Databases and Update InformationPage
	Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# **SECTION 1: FACILITY SUMMARY**

FACILITY	FACILITY 1 MUSHROOM EXPRESS 33777 VALLEY CENTER RD VALLEY CENTER, CA EDR ID #1011845467 EPA #CAN000908607
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	YES - p4
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

### SECTION 2: FACILITY DETAIL REPORTS

#### **WASTE DISPOSAL**

### DATABASE: Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

MUSHROOM EXPRESS 33777 VALLEY CENTER RD VALLEY CENTER, CA EDR ID #1011845467

CERCLIS:

Site ID: EPA ID: 0908607 CAN000908607 Facility County: Short Name: SAN DIEGO

MUSHROOM EXPRESS

Congressional District: Not reported IFMŠ ID: Not reported SMSA Number: USGC Hydro Unit: Federal Facility: Not reported Not reported Not a Federal Facility

DMNSN Number: Not reported Site Orphan Flag: Not reported RCRA ID: USGS Quadrangle: Not reported Not reported Site Init By Prog: NFRAP Flag: Not reported

Parent ID: Not reported Not reported RST Code: EPA Region: Classification: 09 Not reported Site Settings Code: Not reported Not on the NPL

Site Settings Code:
NPL Status:
DMNSN Unit Code:
RBRAC Code:
RResp Fed Agency Code:
Non NPL Status:
Non NPL Status Date: Not reported Not reported Not reported

Removal Only Site (No Site Assessment Work Needed) 20080111

Site Fips Code: 06073

CC Concurrence Date: Not reported CC Concurrence FY: Alias EPA ID: Site FUDS Flag: Not reported Not reported Not reported

CERCLIS Site Contact Name(s):

Contact ID: 9270669.00000 Craig Benson (562) 499-6312 Contact Name: Contact Tel:

On-Scene Coordinator (OSC)

Contact Title: Contact Email: Not reported

Contact ID: 13002167.00000 Contact Name: Contact Tel: Carl Brickner (415) 972-3814

Site Assessment Manager (SAM) Contact Title:

Contact Email: Not reported

Contact ID: 9271184.00000 Karen Jurist Contact Name: (415) 972-3219 Contact Tel:

Site Assessment Manager (SAM) Contact Title:

Contact Email: Not reported

Contact ID: 9270438.00000 Contact Name: Dawn Richmond Contact Tel: (415) 972-3097

Contact Title: Site Assessment Manager (SAM)

Contact Email: Not reported

Alias Comments: Not reported

Site Description: Not reported **CERCLIS Assessment History:** 

Action Code:

POTENTIALLY RESPONSIBLE PARTY REMOVAL Action: Date Started:

01/11/2008 08/22/2008 Date Completed: Priority Level: Cleaned up Operable Unit: SITEWIDE Primary Responsibility: Responsible Party

Planning Status: Primary

# **SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

Urgency Indicator: Action Anomaly: Time Critical Not reported

# **SECTION 3: DATABASES AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### **DATABASES FOUND IN THIS REPORT**

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-412-9810

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL). and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011 Date Made Active at EDR: 05/02/2011 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/01/2011 Elapsed ASTM Days: 62 Date of Last EDR Contact: 06/14/2011

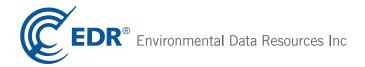
Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO COUNTY	M300003190	VULCAN MATERIALS CO.	MISSION VALLEY (#022)		MINES
VALLEY CENTER	1009393157	LA JOLLA TRADING POST	HIGHWAY 76 AND 100 CAMPGRIUND	92082	INDIAN UST
VALLEY CENTER	S105155595	VALLEY CENTER LANDFILL	28700 BLK AERIE ROAD		SWF/LF
VALLEY CENTER	S109167814	STARSTREAM VALLEY CENTER 1	29603 WILHITE LN	92082	SWF/LF

**VULCAN MATERIALS CO.**MISSION VALLEY (#022)
CA

Inquiry Number: August 3, 2011

# EDR Site Report™



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	All available detailed information from databases where sites are identified.	
Section	on 3: Databases and Update Information	age 5
	Name, source, update dates, contact phone number and description of each of the databases for this report.	

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# **SECTION 1: FACILITY SUMMARY**

FACILITY	FACILITY 1 VULCAN MATERIALS CO. MISSION VALLEY (#022) CA EDR ID #M300003190
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p4
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

# **SECTION 2: FACILITY DETAIL REPORTS**

### **MULTIMEDIA**

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)** 

VULCAN MATERIALS CO. MISSION VALLEY (#022) CA EDR ID #M300003190

Ferrous and Nonferrous Metal Mines Database:

Mine ID: 4026
Commodity: Sand and Gravel
Latitude: 32.77524
Longitude: -117.15395
Site Type: The facility is both a mine and a plant

## **SECTION 3: DATABASES AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

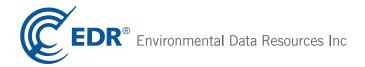
**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

**DATABASES FOUND IN THIS REPORT** 

LA JOLLA TRADING POST HIGHWAY 76 AND 100 CAMPGRIUND ROAD VALLEY CENTER, CA 92082

Inquiry Number: August 3, 2011

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## **SECTION 1: FACILITY SUMMARY**

FACILITY	FACILITY 1 LA JOLLA TRADING POST HIGHWAY 76 AND 100 CAMPGRIUND ROAD VALLEY CENTER, CA 92082 EDR ID #1009393157
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p4
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

## **SECTION 2: FACILITY DETAIL REPORTS**

#### **MULTIMEDIA**

## Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)** 

LA JOLLA TRADING POST HIGHWAY 76 AND 100 CAMPGRIUND ROAD VALLEY CENTER, CA 92082 EDR ID #1009393157

Indian UST:

Region: Alternate Facility ID: Tank ID: LAJO001

Tank Status: Substance Description: Currently In Use Gasoline LA JOLLA BAND Tribe:

Facility County: Facility Telephone: Overfill installed: Not reported (760) 742-3790 `True

Spill installed: 7/1/1996 Date installed:

Region: LAJO001 Alternate Facility ID: Tank ID:

Currently In Use Tank Status: Substance Description: Gasoliné Tribe: LA JOLLA BAND Facility County: Facility Telephone: Overfill installed: Not reported (760) 742-3790 True

Spill installed: True Date installed: 7/1/1996

Region: Alternate Facility ID:

LAJO001

Tank ID:
Tank Status:
Substance Description:
Tribe:

Currently In Use Gasoline LA JOLLA BAND Not reported (760) 742-3790 Facility County: Facility Telephone: Overfill installed: True

True 7/1/1996 Spill installed: Date installed:

## **SECTION 3: DATABASES AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### DATABASES FOUND IN THIS REPORT

# INDIAN UST R9: Underground Storage Tanks on Indian Land Source: EPA Region 9 Telephone: 415-972-3368

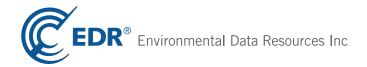
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/18/2011 Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/01/2011 Date of Next Scheduled Update: 11/14/2011 VALLEY CENTER LANDFILL 28700 BLK AERIE ROAD VALLEY CENTER, CA

Inquiry Number: August 3, 2011

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## **SECTION 1: FACILITY SUMMARY**

FACILITY	FACILITY 1 VALLEY CENTER LANDFILL 28700 BLK AERIE ROAD VALLEY CENTER, CA EDR ID #\$105155595
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	YES - p4
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

## **SECTION 2: FACILITY DETAIL REPORTS**

#### **WASTE DISPOSAL**

Facility has disposed of solid waste on-site

**DATABASE: Permitted Solid Waste Facilities (SWF/LF)** 

VALLEY CENTER LANDFILL 28700 BLK AERIE ROAD VALLEY CENTER, CA EDR ID #S105155595

SAN DIEGO CO. LF:

Region: Swisnumber: Owner Name:

Operator:
Facility Type:
Facility Type2:
Facility Status:
PERMITER:

SAN DIEGO
37-AA-0002
COUNTY OF SAN DIEGO
COUNTY OF SAN DIEGO-DPW
CLOSED LANDFILLS INSPECTED QUARTERLY
LANDFILL
CLOSED SITE
POST-CLOSURE LANDUSE CHANGE
QUARTERLY
CLOSED

Inspection Frequency:
Operator's Status:

## **SECTION 3: DATABASES AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### **DATABASES FOUND IN THIS REPORT**

CA LF SAN DIEGO: Solid Waste Facilities Source: Department of Health Services Telephone: 619-338-2209 San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010 Database Release Frequency: Varies

Date of Last EDR Contact: 08/01/2011 Date of Next Scheduled Update: 11/14/2011

## STARSTREAM VALLEY CENTER 1

29603 WILHTE LANE VALLEY CENTER, CA

Inquiry Number: August 3, 2011

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## **SECTION 1: FACILITY SUMMARY**

FACILITY	FACILITY 1 STARSTREAM VALLEY CENTER 1 29603 WILHTE LANE VALLEY CENTER, CA EDR ID #S109167814
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	YES - p4
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

## **SECTION 2: FACILITY DETAIL REPORTS**

#### **WASTE DISPOSAL**

#### Facility has disposed of solid waste on-site

DATABASE: Permitted Solid Waste Facilities (SWF/LF)

STARSTREAM VALLEY CENTER 1 29603 WILHTE LANE VALLEY CENTER, CA EDR ID #S109167814

SWF/LF (SWIS):

Region: Facility ID: STATE

Lat/Long:

37-AA-0968 33.24905 / -117.0147 William C. & Norma J. Shoemaker Trust Owner Name:

Owner Telephone: Owner Address: 7607493404 Norma J. Shoemaker 28904 Valley Center Road Owner Address2: Owner City,St,Zip: Valley Centér, CA 92082 Operator:
Operator Phone: Starstream Energy LLC

7607493404 Operator Address: John Johnson

25240 Laher Road, Suite # 6 Operator Address2:

Operator City,St,Zip: Operator's Status: Southfield, MI 48033

Inactive 8/27/2008 Permit Date: Permit Status: Notification Permitted Acreage: Tons/year

Activity: Composting Operation (Ag)

Regulation Status: To Be Determined

Landuse Name: Residential, Commercial, Agricultural

GIS Source: Мар Category: Unit Number: Composting 01 Inspection Frequency: None

Accepted Waste: Agricultural, Green Materials

Not reported Not reported Closure Date: Closure Type: Not reported
Disposal Acreage: 15
SWIS Num: 37-AA-0968
Waste Discharge Requirement Num: Not reported

Program Type:
Program Type:
Permitted Throughput with Units:
Actual Throughput with Units:
Permitted Capacity with Units:
Remaining Capacity:
Remaining Capacity with Units: Not reported Not reported 200 Tons/day Not reported 73000

## **SECTION 3: DATABASES AND UPDATE DATES**

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### **DATABASES FOUND IN THIS REPORT**

# CA LF: Solid Waste Information System Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/23/2011 Database Release Frequency: Quarterly Date of Last EDR Contact: 05/24/2011 Date of Next Scheduled Update: 09/05/2011

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2011 Source: EPA
Date Data Arrived at EDR: 04/13/2011 Telephone: N/A

Date Made Active in Reports: 06/14/2011 Last EDR Contact: 04/13/2011

Number of Days to Update: 62 Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2011 Source: EPA
Date Data Arrived at EDR: 04/13/2011 Telephone: N/A

Number of Days to Update: 62 Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2011 Date Data Arrived at EDR: 04/13/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 62

Source: EPA Telephone: N/A

Last EDR Contact: 04/13/2011

Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 04/15/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Varies

#### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011 Date Data Arrived at EDR: 03/15/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 91

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/02/2011 Number of Days to Update: 27

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/05/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 70

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Annually

#### State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/16/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Quarterly

#### State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/16/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Quarterly

#### State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/23/2011 Date Data Arrived at EDR: 05/24/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 22

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

#### State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

#### LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710 Last EDR Contact: 06/06/2011

Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: No Update Planned

#### LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: No Update Planned

#### LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

#### LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: No Update Planned

#### LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 04/29/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

#### LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/29/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004 Date Data Arrived at EDR: 11/29/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/13/2011 Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 05/09/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/17/2011 Date Data Arrived at EDR: 05/19/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 26

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 05/20/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 25

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/03/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/16/2011 Date Data Arrived at EDR: 05/17/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 28

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/03/2011 Date Data Arrived at EDR: 03/18/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 45

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011 Date Data Arrived at EDR: 02/01/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 48

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009 Date Data Arrived at EDR: 05/04/2010 Date Made Active in Reports: 07/07/2010

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/04/2010

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/29/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/18/2011

Number of Days to Update: 19

Source: SWRCB Telephone: 916-480-1028 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: 916-341-5712 Last EDR Contact: 04/25/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/17/2011

Date Data Arrived at EDR: 05/19/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 26

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/18/2011 Date Data Arrived at EDR: 05/26/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 19

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/16/2011 Date Data Arrived at EDR: 05/17/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 28

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 06/01/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 13

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/03/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/01/2011 Date Data Arrived at EDR: 02/23/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 68

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 03/03/2011 Date Data Arrived at EDR: 03/18/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 45

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 05/04/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 41

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/03/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/16/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 70

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/29/2011 Date Data Arrived at EDR: 03/29/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 03/29/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39 Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: No Update Planned

#### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 02/24/2011 Date Data Arrived at EDR: 03/23/2011 Date Made Active in Reports: 04/21/2011

Number of Days to Update: 29

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 05/24/2011 Date Data Arrived at EDR: 05/24/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 22

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 05/09/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/02/2011 Date Data Arrived at EDR: 03/17/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 46

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 06/07/2011

Next Scheduled EDR Contact: 09/19/2011 Data Release Frequency: Quarterly

#### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

#### SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/16/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Quarterly

### TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

#### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 03/04/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 20

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

#### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

#### Local Lists of Registered Storage Tanks

#### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994 Date Data Arrived at EDR: 09/05/1995 Date Made Active in Reports: 09/29/1995

Number of Days to Update: 24

Source: California Environmental Protection Agency

Telephone: 916-341-5851 Last EDR Contact: 12/28/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 707-463-4466 Last EDR Contact: 06/06/2011

Next Scheduled EDR Contact: 09/19/2011 Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained.

The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 35

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 02/04/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/23/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 04/05/2011 Date Data Arrived at EDR: 04/06/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 41

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

#### DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/18/2011 Date Data Arrived at EDR: 03/18/2011 Date Made Active in Reports: 04/20/2011

Number of Days to Update: 33

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Semi-Annually

#### Records of Emergency Release Reports

#### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 01/05/2011 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 51

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Annually

#### CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 05/03/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 43

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

#### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 04/29/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 18

Source: State Water Quality Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

#### MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 04/29/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011 Date Data Arrived at EDR: 02/11/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/11/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/21/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/16/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 5

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/15/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/21/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 99

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 06/02/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 06/08/2011

Next Scheduled EDR Contact: 09/19/2011 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 94

Source: EPA Telephone: 202-566-0250

Telephone: 202-566-0250 Last EDR Contact: 05/27/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/29/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 05/27/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 05/27/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011 Date Data Arrived at EDR: 01/21/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 59

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/22/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010 Date Data Arrived at EDR: 04/06/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 51

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/13/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 41

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Quarterly

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

#### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/27/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of

Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/24/2011 Date Data Arrived at EDR: 05/24/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 22

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/05/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 05/04/2011

Number of Days to Update: 29

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 03/29/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: No Update Planned

#### **DRYCLEANERS: Cleaner Facilities**

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/15/2010 Date Data Arrived at EDR: 09/16/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 13

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 04/05/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Varies

#### HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/07/2010 Date Made Active in Reports: 08/12/2010

Number of Days to Update: 36

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 04/22/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Annually

#### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 10/18/2010

Number of Days to Update: 19

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 04/01/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Varies

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/21/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 06/06/2011

Next Scheduled EDR Contact: 08/08/2011 Data Release Frequency: Varies

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 02/28/2011 Date Data Arrived at EDR: 03/23/2011 Date Made Active in Reports: 04/21/2011

Number of Days to Update: 29

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 03/04/2011 Date Data Arrived at EDR: 03/17/2011 Date Made Active in Reports: 04/20/2011

Number of Days to Update: 34

Source: Department of Public Health

Telephone: 916-558-1784 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 04/19/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/19/2011 Date Data Arrived at EDR: 04/19/2011 Date Made Active in Reports: 05/12/2011

Number of Days to Update: 23

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 04/19/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010 Date Data Arrived at EDR: 08/11/2010 Date Made Active in Reports: 08/20/2010

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 06/03/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/15/2011 Date Data Arrived at EDR: 03/16/2011 Date Made Active in Reports: 04/26/2011

Number of Days to Update: 41

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 05/23/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007 Date Data Arrived at EDR: 06/01/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 28

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 05/05/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/21/2011

Next Scheduled EDR Contact: 08/01/2011

Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 05/05/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Telephone: N/A
Last EDR Contact: N/A

Source: EDR, Inc.

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### **COUNTY RECORDS**

#### ALAMEDA COUNTY:

#### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/12/2011 Date Data Arrived at EDR: 04/15/2011 Date Made Active in Reports: 05/12/2011 Number of Days to Update: 27 Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/12/2011 Date Data Arrived at EDR: 04/15/2011 Date Made Active in Reports: 05/18/2011

Number of Days to Update: 33

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Semi-Annually

#### **BUTTE COUNTY:**

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 03/29/2011 Date Data Arrived at EDR: 04/20/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 27

Source: Public Health Department Telephone: 530-538-7149 Last EDR Contact: 03/03/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Varies

#### COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 12/01/2010 Date Data Arrived at EDR: 04/20/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 27

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 03/03/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Varies

#### CONTRA COSTA COUNTY:

#### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/10/2011 Date Data Arrived at EDR: 03/11/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 13

Source: Contra Costa Health Services Department Telephone: 925-646-2286

Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Semi-Annually

#### FRESNO COUNTY:

#### **CUPA Resources List**

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/15/2011 Date Data Arrived at EDR: 04/19/2011 Date Made Active in Reports: 05/12/2011

Number of Days to Update: 23

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

#### **HUMBOLDT COUNTY:**

CUPA Facility List CUPA facility list.

> Date of Government Version: 02/08/2011 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

### INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/12/2011

Data Release Frequency: Varies

### KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

> Date of Government Version: 08/31/2010 Date Data Arrived at EDR: 09/01/2010 Date Made Active in Reports: 09/30/2010

Number of Days to Update: 29

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 06/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

#### KINGS COUNTY:

#### **CUPA Facility List**

A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/06/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/31/2011

Number of Days to Update: 28

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### LOS ANGELES COUNTY:

#### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: No Update Planned

## HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2011 Date Data Arrived at EDR: 06/09/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 6

Source: Department of Public Works

Telephone: 626-458-3517 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

#### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/25/2011 Date Data Arrived at EDR: 04/28/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 19

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 04/25/2011

Next Scheduled EDR Contact: 08/08/2011 Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Varies

#### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2011 Date Data Arrived at EDR: 02/09/2011 Date Made Active in Reports: 03/04/2011

Number of Days to Update: 23

Source: Community Health Services Telephone: 323-890-7806

Last EDR Contact: 04/25/2011

Next Scheduled EDR Contact: 08/08/2011 Data Release Frequency: Annually

#### City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/03/2011 Date Data Arrived at EDR: 02/08/2011 Date Made Active in Reports: 03/03/2011

Number of Days to Update: 23

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 04/25/2011

Next Scheduled EDR Contact: 08/08/2011 Data Release Frequency: Semi-Annually

#### City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003 Date Data Arrived at EDR: 10/23/2003 Date Made Active in Reports: 11/26/2003

Number of Days to Update: 34

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Annually

#### City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/18/2011 Date Data Arrived at EDR: 04/20/2011 Date Made Active in Reports: 05/18/2011

Number of Days to Update: 28

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 04/18/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Semi-Annually

#### MADERA COUNTY:

#### **CUPA Facility List**

A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 04/12/2011 Date Made Active in Reports: 05/12/2011

Number of Days to Update: 30

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/15/2011 Date Data Arrived at EDR: 04/26/2011 Date Made Active in Reports: 05/18/2011

Number of Days to Update: 22

Source: Public Works Department Waste Management

Telephone: 415-499-6647 Last EDR Contact: 04/11/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Semi-Annually

#### MERCED COUNTY:

**CUPA Facility List** 

CUPA facility list.

Date of Government Version: 06/06/2011 Date Data Arrived at EDR: 06/06/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 9

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### MONTEREY COUNTY:

**CUPA Facility Listing** 

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/20/2011 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008 Date Data Arrived at EDR: 07/09/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 22

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 03/07/2011

Next Scheduled EDR Contact: 06/20/2011 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 06/06/2011

Next Scheduled EDR Contact: 09/19/2011 Data Release Frequency: No Update Planned

## ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/02/2011 Date Data Arrived at EDR: 05/20/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 26

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 05/20/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 26

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 05/17/2011 Date Made Active in Reports: 06/20/2011

Number of Days to Update: 34

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 05/17/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

#### PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/31/2011 Date Data Arrived at EDR: 02/01/2011 Date Made Active in Reports: 03/04/2011

Number of Days to Update: 31

Source: Placer County Health and Human Services

Telephone: 530-889-7312 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Semi-Annually

#### RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/26/2011 Date Data Arrived at EDR: 04/28/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 19

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/26/2011 Date Data Arrived at EDR: 04/28/2011 Date Made Active in Reports: 05/18/2011

Number of Days to Update: 20

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/07/2011 Date Data Arrived at EDR: 04/28/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 19

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 04/11/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/07/2011 Date Data Arrived at EDR: 04/29/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 18

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 04/11/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

#### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/09/2011 Date Data Arrived at EDR: 06/09/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

#### SAN DIEGO COUNTY:

#### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010 Date Data Arrived at EDR: 09/15/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 14

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 06/17/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Quarterly

#### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010 Date Data Arrived at EDR: 11/16/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 70

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Varies

#### **Environmental Case Listing**

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 06/14/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

#### **Local Oversite Facilities**

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 05/16/2011

Next Scheduled EDR Contact: 08/16/2011 Data Release Frequency: Quarterly

**Underground Storage Tank Information** 

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 03/10/2011 Date Made Active in Reports: 03/15/2011

Number of Days to Update: 5

Source: Department of Public Health

Telephone: 415-252-3920 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Quarterly

#### SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/30/2011 Date Data Arrived at EDR: 03/31/2011 Date Made Active in Reports: 04/22/2011

Number of Days to Update: 22

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 03/28/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Semi-Annually

#### SAN LUIS OBISPO COUNTY:

**CUPA Facility List** 

Cupa Facility List.

Date of Government Version: 11/17/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### SAN MATEO COUNTY:

**Business Inventory** 

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/19/2011 Date Data Arrived at EDR: 04/20/2011 Date Made Active in Reports: 05/17/2011

Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/21/2011 Date Data Arrived at EDR: 03/22/2011 Date Made Active in Reports: 04/20/2011

Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

**CUPA Facility Listing** 

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### SANTA CLARA COUNTY:

#### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009 Date Data Arrived at EDR: 06/01/2009 Date Made Active in Reports: 06/15/2009

Number of Days to Update: 14

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/19/2011 Data Release Frequency: Annually

#### **Hazardous Material Facilities**

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009 Date Data Arrived at EDR: 08/31/2009 Date Made Active in Reports: 09/18/2009

Number of Days to Update: 18

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 08/29/2011 Data Release Frequency: Annually

#### SANTA CRUZ COUNTY:

**CUPA Facility List** 

CUPA facility listing.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

#### SHASTA COUNTY:

**CUPA Facility List** 

Cupa Facility List.

Date of Government Version: 11/30/2010 Date Data Arrived at EDR: 03/03/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 21

Source: Shasta County Department of Resource Management

Telephone: 530-225-5789 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Varies

## SOLANO COUNTY:

#### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/21/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 04/21/2011

Number of Days to Update: 27

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

#### **Underground Storage Tanks**

Underground storage tank sites located in Solano county.

Date of Government Version: 03/21/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 04/22/2011

Number of Days to Update: 28

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

#### SONOMA COUNTY:

#### Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/05/2011 Date Data Arrived at EDR: 04/06/2011 Date Made Active in Reports: 05/12/2011

Number of Days to Update: 36

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/18/2011 Data Release Frequency: Quarterly

#### SUTTER COUNTY:

#### **Underground Storage Tanks**

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/14/2011 Date Data Arrived at EDR: 03/15/2011 Date Made Active in Reports: 03/24/2011

Number of Days to Update: 9

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 06/13/2011

Next Scheduled EDR Contact: 09/26/2011 Data Release Frequency: Semi-Annually

## VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 01/26/2011 Date Data Arrived at EDR: 02/25/2011 Date Made Active in Reports: 03/22/2011

Number of Days to Update: 25

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

#### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 04/07/2011 Date Made Active in Reports: 05/12/2011

Number of Days to Update: 35

Source: Environmental Health Division Telephone: 805-654-2813

Last EDR Contact: 04/07/2011

Next Scheduled EDR Contact: 07/25/2011 Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 05/24/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/26/2011 Date Data Arrived at EDR: 05/03/2011 Date Made Active in Reports: 06/15/2011

Number of Days to Update: 43

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 05/02/2011

Next Scheduled EDR Contact: 08/15/2011 Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/01/2011 Date Data Arrived at EDR: 03/23/2011 Date Made Active in Reports: 04/22/2011

Number of Days to Update: 30

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 06/21/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/26/2011 Date Data Arrived at EDR: 05/03/2011 Date Made Active in Reports: 06/20/2011

Number of Days to Update: 48

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 04/11/2011

Next Scheduled EDR Contact: 07/11/2011 Data Release Frequency: Annually

#### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/26/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/22/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/19/2011

Next Scheduled EDR Contact: 08/01/2011 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 05/12/2011 Date Made Active in Reports: 05/24/2011

Number of Days to Update: 12

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 05/12/2011

Next Scheduled EDR Contact: 08/22/2011 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/14/2009

Number of Days to Update: 13

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/04/2011

Next Scheduled EDR Contact: 07/06/2011 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/19/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 38

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 05/31/2011

Next Scheduled EDR Contact: 09/12/2011 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/06/2010 Date Made Active in Reports: 07/26/2010

Number of Days to Update: 20

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/20/2011

Next Scheduled EDR Contact: 10/03/2011 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp. Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes** 

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### STREET AND ADDRESS INFORMATION

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## **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

FORMER MUSHROOM FARM 33777 VALLEY CENTER ROAD VALLEY CENTER, CA 92082

#### TARGET PROPERTY COORDINATES

Latitude (North): 33.26640 - 33° 15' 59.0" Longitude (West): 116.9535 - 116° 57' 12.6"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 504330.8 UTM Y (Meters): 3680629.8

Elevation: 865 ft. above sea level

#### **USGS TOPOGRAPHIC MAP**

Target Property Map: 33116-C8 BOUCHER HILL, CA

Most Recent Revision: 1988

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

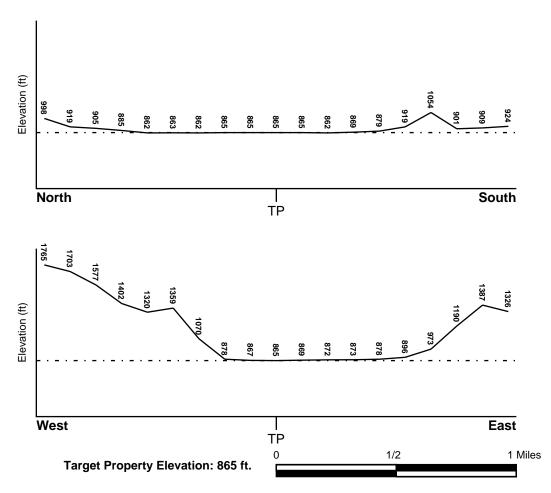
#### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood Electronic Data

Target Property County SAN DIEGO, CA

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

06073C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

**NWI Quad at Target Property** 

Data Coverage

**BOUCHER HILL** 

YES - refer to the Overview Map and Detail Map

#### **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Mesozoic Category: Plutonic and Intrusive Rocks

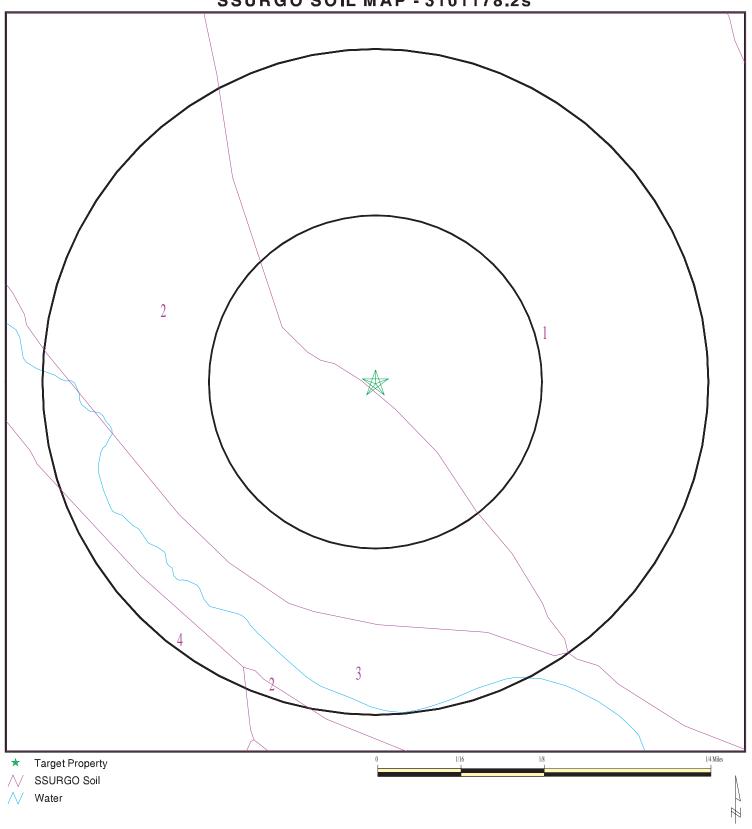
System: Cretaceous

Series: Cretaceous granitic rocks

Code: Kg (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 3101178.2s



SITE NAME: Former Mushroom Farm
ADDRESS: 33777 Valley Center Road
Valley Center CA 92082
LAT/LONG: 33.2664 / 116.9535

CLIENT: Applied Eng. & Geology CONTACT: Earl Stephens INQUIRY#: 3101178.2s

DATE: June 21, 2011 2:43 pm

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information							
Layer	Boundary			Classi	fication	Saturated hydraulic		
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1	
2	11 inches	40 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1	
3	40 inches	59 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 6.5 Min: 6.1	

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

> 0 inches

excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Depth to Watertable Min:

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

#### **Soil Layer Information** Saturated **Boundary** Classification hydraulic conductivity **Unified Soil** Layer Upper Lower Soil Texture Class **AASHTO Group Soil Reaction** micro m/sec (pH) 1 0 inches 14 inches sand Granular COARSE-GRAINED Max: 141 Max: 7.8 materials (35 SOILS, Sands, Min: 42 Min: 6.6 pct. or less Clean Sands, passing No. Well-graded sand. 200), Stone COARSE-GRAINED Fragments, SOILS, Sands, Gravel and Sands with fines, Sand. Silty Sand. 2 COARSE-GRAINED Max: 141 Max: 7.8 14 inches 33 inches loamy sand Granular materials (35 SOILS, Sands, Min: 42 Min: 6.6 pct. or less Clean Sands, passing No. Well-graded sand. 200), Stone COARSE-GRAINED SOILS, Sands, Fragments, Gravel and Sands with fines, Sand. Silty Sand. 3 COARSE-GRAINED Max: 141 Max: 7.8 33 inches 59 inches stratified Granular SOILS, Sands, gravelly sand materials (35 Min: 42 Min: 6.6 pct. or less to gravelly Clean Sands, loamy sand passing No. Well-graded sand. 200), Stone COARSE-GRAINED Fragments, SOILS, Sands, Gravel and Sands with fines, Sand. Silty Sand.

Soil Map ID: 3

Soil Component Name: RIVERWASH

Soil Surface Texture: gravelly coarse sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Excessively drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 inches

	Soil Layer Information							
	Boundary			Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	5 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:	
2	5 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:	

Soil Map ID: 4

Soil Component Name: CIENEBA

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 5 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
Layer	Boundary		Boundary		Classification				
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	7 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:		
2	7 inches	11 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: Min:	Max: Min:		

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## FEDERAL USGS WELL INFORMATION

 MAP ID
 WELL ID
 LOCATION FROM TP

 A1
 USGS3105975
 0 - 1/8 Mile NE

 3
 USGS3105972
 1/8 - 1/4 Mile East

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B5	USGS3105969	1/8 - 1/4 Mile SE
C6	USGS3105789	1/4 - 1/2 Mile North
C7	USGS3105790	1/4 - 1/2 Mile North
C11	USGS3105792	1/4 - 1/2 Mile North
D13	USGS3105977	1/4 - 1/2 Mile East
15	USGS3105954	1/2 - 1 Mile SE
F16	USGS3105806	1/2 - 1 Mile North
E18	USGS3105785	1/2 - 1 Mile ENE
G19	USGS3105807	1/2 - 1 Mile NNW
H20	USGS3105804	1/2 - 1 Mile NNW
J25	USGS3105817	1/2 - 1 Mile NNE
127	USGS3105952	1/2 - 1 Mile SE
K28	USGS3105942	1/2 - 1 Mile South
L30	USGS3105939	1/2 - 1 Mile SSE
31	USGS3105821	1/2 - 1 Mile NNW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
WAP ID	<u></u>	FROIVI TF
No DMC Custom Found		

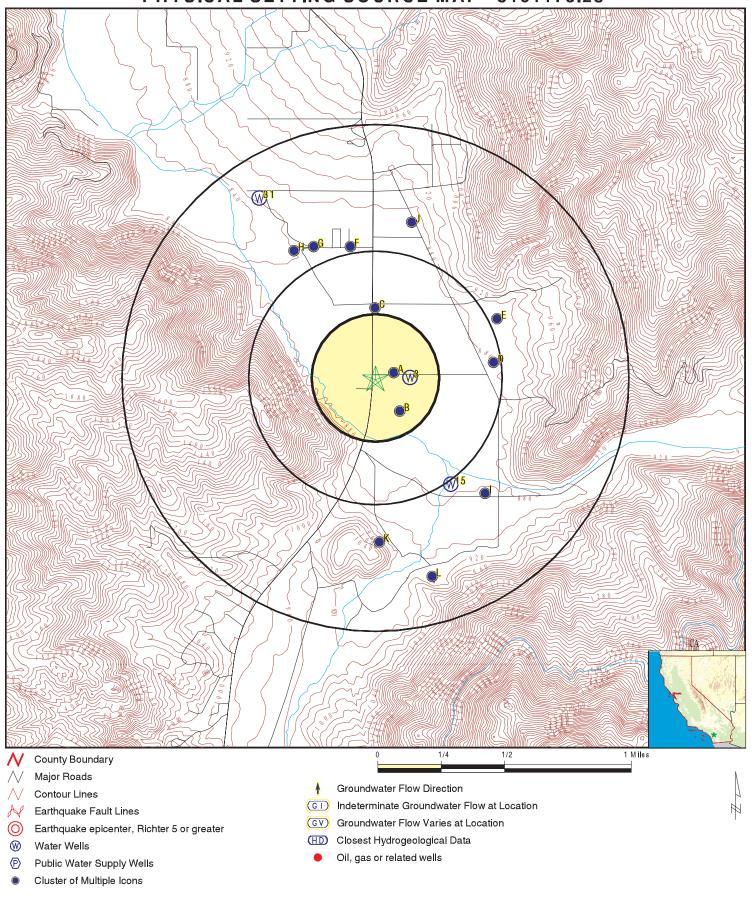
No PWS System Found

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	CADW4000001790	0 - 1/8 Mile East
B4	CADW4000001775	1/8 - 1/4 Mile SSE
C8	CADW4000001833	1/4 - 1/2 Mile North
C9	CADW4000001834	1/4 - 1/2 Mile North
C10	CADW4000001835	1/4 - 1/2 Mile North
D12	CADW4000001803	1/4 - 1/2 Mile East
E14	CADW4000001827	1/2 - 1 Mile ENE
F17	CADW4000001864	1/2 - 1 Mile NNW
G21	CADW4000001863	1/2 - 1 Mile NNW
122	CADW4000001721	1/2 - 1 Mile SE
H23	CADW4000001861	1/2 - 1 Mile NW
J24	CADW4000001873	1/2 - 1 Mile North
K26	CADW4000001692	1/2 - 1 Mile South
L29	CADW4000001666	1/2 - 1 Mile SSE

# PHYSICAL SETTING SOURCE MAP - 3101178.2s



SITE NAME: Former Mushroom Farm 33777 Valley Center Road Valley Center CA 92082 ADDRESS:

LAT/LONG: 33.2664 / 116.9535 CLIENT: Applied Eng. & CONTACT: Earl Stephens Applied Eng. & Geology

INQUIRY#: 3101178.2s

DATE: June 21, 2011 2:43 pm

Map ID Direction Distance

Elevation Database EDR ID Number

Hole depth:

A1 NE **FED USGS** USGS3105975 0 - 1/8 Mile

Higher

Agency cd: **USGS** Site no: 331601116570601

010S001W35G001S Site name:

USGS3105975 EDR Site id: Latitude: 331601 Longitude: 1165706 Dec lat: 33.26698029 Dec Ion: -116.95252737 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 06 District: 073 06 County: State:

Not Reported Country: US Land net: Location map: Not Reported Map scale: Not Reported

863.00 Altitude:

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

National Geodetic Vertical Datum of 1929 Altitude datum:

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Alluvial or marine terrace

Ground-water other than Spring Date construction: 1934 Site type: Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Not Reported Aquifer Type: Aquifer: Not Reported

Well depth: 135

Source of depth data: Not Reported

Project number: Not Reported

Daily flow data begin date: Not Reported Real time data flag: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date: Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

**A2** 

East 0 - 1/8 Mile Higher

> -116.9511 Longitude: Latiude: 33.2664

10S01W35G003S Stwellno:

Districtco: 3 Welluseco: Ζ Countyco: 37 Gwcode: 900700

Site id: CADW40000001790 Not Reported

**CA WELLS** 

CADW4000001790

Map ID Direction Distance

Elevation Database EDR ID Number

1/8 - 1/4 Mile Higher

Agency cd: USGS Site no: 331559116570101

Site name: 010S001W35G003S

USGS3105972 EDR Site id: Latitude: 331559 Longitude: 1165701 Dec lat: 33.26642477 Dec Ion: -116.95113845 Coor meth: Μ Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: 06 District: 073 06 County: State:

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 865.00

Altitude method: Interpolated from topographic map

Altitude accuracy: Not Reported

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Santa Margarita. California. Area = 731 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 60.0 Hole depth: 60.0

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1960-10-14 Ground water data end date: 1972-04-25

Ground water data count: 4

Ground-water levels, Number of Measurements: 4

 1972-04-25
 22.99
 1971-09-27
 20.99

 1963-08-20
 50.25
 1960-10-14
 40

B4 SSE 1/8 - 1/4 Mile Higher

> Longitude: -116.9514 Latiude: 33.2645

Stwellno: 10S01W35G002S

 Districtco:
 3

 Welluseco:
 Z

 Countyco:
 37

 Gwcode:
 900700

Site id: CADW4000001775

TC3101178.2s Page A-13

**CA WELLS** 

CADW4000001775

Map ID Direction Distance

EDR ID Number Elevation Database

**B5 FED USGS** USGS3105969 1/8 - 1/4 Mile

Higher

Agency cd: **USGS** Site no: 331552116570201

010S001W35G002S Site name:

USGS3105969 EDR Site id: Latitude: 331552 Longitude: 1165702 Dec lat: 33.26448037 Dec Ion: -116.95141626 Coor meth: Μ Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: 06 District: 06 073 State: County:

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 867.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

National Geodetic Vertical Datum of 1929 Altitude datum:

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

1934 Site type: Ground-water other than Spring Date construction: Date inventoried: Not Reported PST Mean greenwich time offset:

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Not Reported Aquifer:

Well depth: 122 Hole depth: 122

Source of depth data: Not Reported Project number: Not Reported

Daily flow data begin date: Real time data flag: 0 0000-00-00

Daily flow data count: Daily flow data end date: 0000-00-00 n

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1934-03-00 Ground water data end date: 1971-09-27

Ground water data count: 3

Ground-water levels, Number of Measurements: 3

Feet below Feet to Feet below Feet to Date Surface Sealevel Sealevel Date Surface

1971-09-27 21.43 1950-11 33

Note: Other conditions existed that would affect the measured water level.

1934-03

Note: Other conditions existed that would affect the measured water level.

C6 North **FED USGS** USGS3105789 1/4 - 1/2 Mile Lower

**USGS** Agency cd: Site no: 331613116570901

Site name: 010S001W35C001S

Latitude: 331613 EDR Site id: USGS3105789 Longitude: 1165709 Dec lat: 33.27031353

Dec Ion: -116.95336069 Coor meth: М NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 06 06 County: 073

Country: US Land net: Not Reported **BOUCHER HILL** 

Location map: 24000 Map scale:

Altitude: 860.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19290101 Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: Not Reported Hole depth: 105

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 1961-03-08

Water quality data end date:1963-08-22 Water quality data count:

Ground water data begin date: 1938-11-00 Ground water data end date: 1992-12-17

Ground water data count: 124

Ground-water levels, Number of Measurements: 124

	Feet below	Feet to			Feet below	Feet to
Date	Surface	Sealevel		Date	Surface	Sealevel
1992-12-17				1992-03-17		
1991-12-18	35.48			1991-09-24		
1991-06-19	33.89			1991-03-28	35.89	
1990-12-20	34.77			1990-09-17	33.02	
1990-06-12	31.23			1990-03-21	28.75	
1989-12-20	26.91			1989-09-07	23.24	
1989-06-27	23.08			1989-03-08	23.13	
1985-12-27	15.53			1985-10-17	15.24	
1985-08-14	14.35			1985-06-06	15.12	
1985-05-01	14.92			1985-02-11	14.81	
1984-12-17	14.92			1984-11-06	14.58	
1984-08-29	14.14			1984-06-25	13.13	
1984-04-30	13.02			1984-02-15	14.13	
1983-12-08	12.47			1983-10-18	12.45	
1983-08-29	12.16			1983-07-08	13.45	
1983-04-25	12.59			1983-02-25	13.81	
1982-12-15	13.94			1982-10-19	13.66	
1982-08-24	12.74			1982-06-30	11.74	
1982-04-13	13.46			1982-03-01	14.33	
1981-11-25	14.54			1981-10-16	13.66	
1981-09-16	12.70			1981-08-07	12.54	
1981-07-10	12.22			1981-06-03	13.17	

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealeve
981-04-07	13.62		1981-03-11	13.18	
981-02-18	13.46		1981-01-28	13.48	
980-12-10	13.27		1980-11-03	13.25	
980-10-08	13.46		1980-09-04	12.34	
980-07-30	11.79		1980-06-26	10.95	
980-05-15	10.26		1980-03-31	9.16	
980-02-04	11.01		1979-12-27	12.79	
979-11-16	12.34		1979-10-16	11.89	
979-09-12	12.16		1979-08-14	11.68	
979-07-25	11.40		1979-06-14	11.99	
979-05-08	11.55		1979-04-10	10.86	
979-03-22	11.46		1979-02-05	11.83	
979-01-04	12.64		1978-11-16	12.69	
978-10-11	13.04		1978-09-07	12.48	
978-07-25	12.19		1978-03-16	21.25	
978-01-26	42.42		1977-12-20	43.93	
977-11-18	43.75		1977-09-27	42.33	
977-08-25	41.18		1977-07-22	40.01	
977-06-08	38.77		1977-04-22	39.05	
977-03-24	39.42		1977-02-03	38.12	
976-12-17	39.26		1976-11-19	38.34	
976-10-07	37.01		1976-09-03	37.19	
976-07-29	35.40		1976-06-16	33.69	
976-01-21	36.61		1975-12-09	35.18	
975-11-06	34.67		1975-09-25	32.61	
975-08-26	32.25		1975-07-29	30.82	
975-06-18	28.21		1975-05-22	27.74	
975-04-22	28.84		1975-03-10	32.48	
975-01-30	32.79		1973-03-28	26.76	
972-09-15	29.86		1972-04-18	25.14	
971-09-27	23.63		1963-06	48.50	
962	42.40		1961-08	40.50	
961-07-20	38.50		1961-03-20	28.00	
960-12-20	31.50		1960-11-20	32.00	
960-10-20	32.67		1960-09-20	26.17	
960-04-20	28.50		1960-03-20	26.50	
960-02-20	26.67		1960-01-20	26.08	
959-12-20	29.92		1959-11-20	25.50	
959-10-20	24.08		1950-11	24.70	
940	11.50		1938-11	9.50	

C7 North 1/4 - 1/2 Mile Lower

FED USGS USGS3105790

Agency cd: USGS Site no: 331613116570902

Site name: 010S001W35C002S

 Latitude:
 331613
 EDR Site id:
 USGS3105790

 Longitude:
 1165709
 Dec lat:
 33.27031353

 Dec Ion:
 -116.95336069
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 06

 State:
 06
 County:
 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 856.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: `

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 52.0 Hole depth: 64.0

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1961-08-00 Ground water data end date: 1971-09-27

Ground water data count: 4

Ground-water levels, Number of Measurements: 4

Feet below Feet to Feet below Feet to

Date Surface Sealevel Date Surface Sealevel

 1971-09-27
 23.58
 1967-03-30
 49.45

 1967-03-01
 49.00
 1961-08
 42

C8
North
CA WELLS CADW4000001833

1/4 - 1/2 Mile Lower

> Longitude: -116.9534 Latiude: 33.2703

Stwellno: 10S01W35C001S

Districtco: 3
Welluseco: Z
Countyco: 37
Gwcode: 900700

Site id: CADW4000001833

\_\_\_\_

C9 North 1/4 - 1/2 Mile Lower

CA WELLS CADW4000001834

Longitude: -116.9534 Latiude: 33.2703

Stwellno: 10S01W35C002S

 Districtco:
 3

 Welluseco:
 Z

 Countyco:
 37

 Gwcode:
 900700

Site id: CADW4000001834

C10
North
CA WELLS CADW4000001835
1/4 - 1/2 Mile

Lower

Longitude: -116.9525 Latiude: 33.2706

Stwellno: 10S01W35B001S

Districtco: 3
Welluseco: Z
Countyco: 37
Gwcode: 900700

Site id: CADW4000001835

C11
North
1/4 - 1/2 Mile

C11
FED USGS USGS3105792

Lower

Agency cd: USGS Site no: 331614116570601

Site name: 010S001W35B001S

EDR Site id: USGS3105792 Latitude: 331614 33.27059131 Longitude: 1165706 Dec lat: Dec Ion: -116.95252733 Coor meth: Μ NAD27 Coor accr: S Latlong datum: NAD83 Dec latlong datum: District: 06 State: 06 County: 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 858.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: 19600101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 160 Hole depth: Not Reported

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1960-00-00 Ground water data end date: 1967-10-18

Ground water data count: 30

Ground-water levels, Number of Measurements: 30

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-10-18	33.80	<del></del>	1967-05-19	43.92	
1967-03-01	45.00		1967-02-10	48.89	
1966-11-14	54.09		1966-09-30	51.33	
1966-08-11	52.21		1966-05-11	55.20	
1966-04-12	56.12		1966-03-07	57.88	
1966-02-07	59.19		1966-01-12	59.43	
1965-12-13	59.71		1965-11-08	61.90	
1965-10-11	61.09		1965-09-13	60.69	
1965-08-10	57.63		1965-07-06	57.02	
1965-06-07	56.21		1965-05-04	57.92	
1965-03-30	59.46		1965-03-01	58.78	
1965-01-25	57.80		1964-12-23	57.26	
1964-10-15	55.13		1964-07-30	52.75	
1964-07-02	51.84		1964-01-28	52.04	
1963-08-28	48.35		1960	41	

1/4 - 1/2 Mile Higher

> Longitude: -116.945 Latiude: 33.2673

Stwellno: 10S01W35A001S

Districtco: 3
Welluseco: Z
Countyco: 37
Gwcode: 900700

Site id: CADW4000001803

D13
East FED USGS USGS3105977

East 1/4 - 1/2 Mile Higher

Agency cd: USGS Site no: 331602116563901

Site name: 010S001W35A001S

USGS3105977 Latitude: 331602 EDR Site id: Longitude: Dec lat: 33.26725814 1165639 Dec Ion: -116.94502716 Coor meth: S Latlong datum: NAD27 Coor accr: NAD83 Dec latlong datum: District: 06 State: 06 County: 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Hole depth:

Not Reported

Altitude: 875.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

National Geodetic Vertical Datum of 1929 Altitude datum:

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Undulating

Not Reported Site type: Ground-water other than Spring Date construction:

Date inventoried: Not Reported Mean greenwich time offset: **PST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 3.0 Source of depth data:

Not Reported

Not Reported Project number:

Daily flow data begin date: Real time data flag: 0 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 0000-00-00 Peak flow data end date: Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1959-01-16 Ground water data end date: 1960-06-16

Ground water data count: 11

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-06-16	34.2	<del></del>	1960-04-14	33.6	
1960-02-11	34.8		1960-01-14	34.3	
1959-12-31	23.9		1959-10-11	33.3	
1959-08-09	29.1		1959-06-18	27.4	
1959-05-15	26.3		1959-03-23	25.3	
1959-01-16	23.9				

CADW4000001827 **CA WELLS** 

1/2 - 1 Mile Higher

> -116.9448 Longitude: Latiude: 33.2698

10S01W36D001S Stwellno:

Districtco: 3 Ζ Welluseco: Countyco: 37 Gwcode: 900700

CADW4000001827 Site id:

**FED USGS** USGS3105954

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 331537116565101

Site name: 010S001W35J002S

 Latitude:
 331537
 EDR Site id:
 USGS3105954

 Longitude:
 1165651
 Dec lat:
 33.26031384

 Dec Ion:
 -116.94836066
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 06

 State:
 06
 County:
 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 870.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: 1965

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 50.0 Hole depth: Not Reported

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

F16
North
1/2 - 1 Mile
FED USGS USGS3105806

Lower

Agency cd: USGS Site no: 331626116571401

Site name: 010S001W26P002S

 Latitude:
 331626
 EDR Site id:
 USGS3105806

 Longitude:
 1165714
 Dec lat:
 33.27392453

Dec Ion: -116.95474958 Coor meth: M Coor accr: Latlong datum: NAD27 Dec latlong datum: NAD83 06 District: 073 County: State: 06 Country: US Land net: **NESESW** Location map: **BOUCHER HILL** Map scale: 24000

Altitude: 853.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Santa Margarita. California. Area = 731 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19620101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: CENOZOIC ERATHEM

Well depth: 193 Hole depth: 193

Source of depth data: Not Reported

Project number: 7479328900

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1962-00-00 Ground water data end date: 1992-12-17

Ground water data count: 33

Ground-water levels, Number of Measurements: 33

	Feet below	Feet to			Feet below	Feet to
Date	Surface	Sealevel		Date	Surface	Sealevel
1992-12-17	36.66			 1992-03-17	35.53	
1991-12-18	35.88			1991-09-24	37.37	
1991-06-19	34.63			1991-03-28	34.75	
1990-12-20	34.83			1990-09-17	34.22	
1990-06-12	31.73			1990-03-21	28.27	
1989-12-20	27.04			1989-09-07	24.93	
1989-06-27	24.77			1989-03-08	21.18	
1985-05-01	15.04			1984-11-13	14.78	
1984-04-30	13.66			1983-10-18	12.88	
1983-04-26	11.75			1982-10-19	14.44	
1982-03-01	13.22			1981-10-29	13.40	
1981-03-11	12.09			1980-10-08	13.48	
1980-05-15	9.44			1979-09-14	13.06	
1979-03-22	11.01			1978-10-12	13.18	
1978-03-23	20.07			1972-04-25	26.95	
1971-09-27	25.49			1967-03-30	49.91	
1962	40.00					

F17
NNW
CA WELLS CADW40000001864
1/2 - 1 Mile

Lower

Longitude: -116.9548 Latiude: 33.2739

Stwellno: 10S01W26P002S

Districtco: 3
Welluseco: Z
Countyco: 37
Gwcode: 900700

Site id: CADW4000001864

E18
ENE FED USGS USGS3105785

1/2 - 1 Mile Higher

TC3101178.2s Page A-22

Agency cd: USGS Site no: 331611116563801

Site name: 010S001W36D001S

 Latitude:
 331611
 EDR Site id:
 USGS3105785

 Longitude:
 1165638
 Dec lat:
 33.26975808

 Dec Ion:
 -116.94474935
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 06

 State:
 06
 County:
 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 890.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: 19600101
Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 174 Hole depth: 174

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1967-03-01 Ground water data end date: 1967-03-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1967-03-01 60.00

Lower

G19
NNW FED USGS USGS3105807
1/2 - 1 Mile

Agency cd: USGS Site no: 331626116572301

Site name: 010S001W26P001S

Latitude: EDR Site id: USGS3105807 331626 33.2739245 Longitude: 1165723 Dec lat: Dec Ion: -116.95724965 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 06

State:06County:073Country:USLand net:Not ReportedLocation map:Not ReportedMap scale:Not Reported

Altitude: 851.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19620101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 243 Hole depth: Not Reported

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 1978-08-02

Water quality data end date:1991-07-31 Water quality data count: 9

Ground water data begin date: 1963-01-31 Ground water data end date: 1963-01-31

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1963-01-31 39.5

Note: Other conditions existed that would affect the measured water level.

H20 NNW FED USGS USGS3105804 1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 331625116572801

Site name: 010S001W26N001S

 Latitude:
 331625
 EDR Site id:
 USGS3105804

 Longitude:
 1165728
 Dec lat:
 33.27364672

 Dec lon:
 -116.95863858
 Coor meth:
 M

Coor accr:SLatlong datum:NAD27Dec latlong datum:NAD83District:06State:06County:073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 850.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19650101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aguifer Type: Not Reported

Aquifer: Not Reported

Well depth: 230 Hole depth: Not Reported

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 1978-08-16

Water quality data end date:1981-06-24 Water quality data count: 2

Ground water data begin date: 1965-06-08 Ground water data end date: 1967-03-30

Ground water data count: 7

Ground-water levels, Number of Measurements: 7

Feet below Feet to Feet below Feet to Date Surface Sealevel Date Surface Sealevel 1967-03-30 51.62 1967-03-01 52.00 1966-09-30 51.36 1965-08-11 51.71 1965-08-08 51.86 1965-07-01 51 1965-06-08 51

G21 NNW 1/2 - 1 Mile **CA WELLS** CADW4000001863

Lower

Longitude: -116.9573 Latiude: 33.2739

10S01W26P001S Stwellno:

Districtco: 3 Ζ Welluseco: 37 Countyco: Gwcode: 900700

Site id: CADW4000001863

**CA WELLS** CADW40000001721

SE 1/2 - 1 Mile Higher

> -116.9456 Longitude: Latiude: 33.2598

Stwellno: 10S01W35J001S

Districtco: 3 Welluseco: Ζ Countyco: 37 Gwcode: 900700

CADW40000001721 Site id:

H23 **CA WELLS** CADW4000001861

NW 1/2 - 1 Mile Lower

> Longitude: -116.9586 Latiude: 33.2737

10S01W26N001S Stwellno:

Districtco: 3 Ζ Welluseco: Countyco: 37 900700 Gwcode:

Site id: CADW4000001861

J24 **CA WELLS** CADW4000001873

North 1/2 - 1 Mile Higher

TC3101178.2s Page A-25

Longitude: -116.9506 Latiude: 33.2753

Stwellno: 10S01W26K001S

 Districtco:
 3

 Welluseco:
 Z

 Countyco:
 37

 Gwcode:
 900700

Site id: CADW4000001873

723 NNE FED USGS USGS3105817 1/2 - 1 Mile

1/2 - 1 Mill Higher

Agency cd: USGS Site no: 331631116565901

Site name: 010S001W26K001S

 Latitude:
 331631
 EDR Site id:
 USGS3105817

 Longitude:
 1165659
 Dec lat:
 33.27531343

-116.95058278 Dec Ion: Coor meth: М S Latlong datum: NAD27 Coor accr: Dec latlong datum: NAD83 District: 06 State: 06 County: 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 872.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: 19630101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 163 Hole depth: 163

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1963-01-02 Ground water data end date: 1972-04-25

Ground water data count: 6

Ground-water levels, Number of Measurements: 6

Feet below Feet to Feet below Feet to Date Surface Sealevel Date Surface Sealevel 1972-04-25 37.06 1971-09-27 33.61 1967-03-29 67.16 1967-03-01 67.00

1963-08-28 78.2

Note: The site was being pumped.

1963-01-02 52

Note: Other conditions existed that would affect the measured water level.

Map ID Direction Distance

Database EDR ID Number Elevation

K26 **CA WELLS** CADW4000001692 South 1/2 - 1 Mile

Higher

Longitude: -116.9528 Latiude: 33.257

10S01W35Q001S Stwellno:

Districtco: 3 Welluseco: Ζ Countyco: 37 900700 Gwcode:

CADW4000001692 Site id:

I27 SE 1/2 - 1 Mile Higher

> Agency cd: **USGS** Site no: 331535116564101

010S001W35J001S Site name:

Latitude: 331535 EDR Site id: USGS3105952 Longitude: 1165641 Dec lat: 33.25975834

Dec Ion: -116.94558281 Coor meth: Μ Latlong datum: NAD27 Coor accr: S Dec latlong datum: NAD83 District: 06 State: 06 County: 073

Country: US Land net: Not Reported Location map: **BOUCHER HILL** Map scale: 24000

Altitude: 874.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: **PST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type Not Reported Aquifer Type:

Not Reported Aquifer:

Well depth: Not Reported Hole depth: 39.4

Source of depth data: Not Reported Project number: Not Reported

Real time data flag:

Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 000-00-00 Water quality data begin date: 1984-08-23 Peak flow data count:

Water quality data end date:1984-10-01 Water quality data count:

Ground water data begin date: 1923-07-13 Ground water data end date: 1992-12-17

Ground water data count:

USGS3105952

**FED USGS** 

Ground-wate		per of Measure	ments: 132				
Date	Feet below Surface	Feet to Sealevel			Date	Feet below Surface	Feet to Sealevel
1992-12-17	25.83				1992-03-17	22.08	
1991-12-18	30.39				1991-09-24	28.69	
1991-06-19	28.45				1991-03-28	30.94	
1990-12-20	35.97				1990-09-17	32.30	
1990-07-12	31.90				1990-03-21	33.06	
1990-02-06	31.05				1989-12-20	29.28	
1989-09-07	23.93				1989-06-27	22.05	
1989-05-03	22.20				1989-03-08	27.55	
1985-12-27	12.43				1985-10-17	16.30	
1985-08-14	12.78				1985-06-06	13.49	
1985-05-01	11.71				1985-02-11	10.64	
1985-02-01	11.08				1984-12-17	11.12	
1984-11-06	11.98				1984-08-29	11.99	
1984-06-25	11.15				1984-04-30	10.20	
1984-03-13	10.08				1984-02-15	9.77	
1984-02-01	9.58				1983-12-08	9.26	
1983-10-18	9.69				1983-08-29	10.36	
1983-07-08	9.46				1983-04-25	7.30	
1983-02-25	10.43				1983-02-01	11.58	
1982-12-15	10.34				1982-10-19	14.71	
1982-08-24	12.04				1982-06-30	10.42	
1982-04-13	8.93				1982-03-01	10.76	
1982-02-01	11.39				1981-11-25	13.44	
1981-10-16	14.02				1981-09-16	13.00	
1981-08-07	12.62				1981-07-10	12.23	
1981-06-03	10.40				1981-05-01	9.84	
1981-04-07	10.00				1981-03-11	9.80	
1981-02-18	9.96				1981-02-02	10.03	
1981-01-28 1980-11-03	10.39 11.39				1980-12-09 1980-10-08	10.09 10.03	
1980-11-03	7.80				1980-10-00	7.21	
1980-09-04	6.70				1980-07-30	7.54	
1980-03-31	6.12				1980-02-01	4.80	
1979-12-27	9.57				1979-11-16	8.15	
1979-10-16	11.22				1979-09-12	9.70	
1979-08-14	8.90				1979-07-25	7.65	
1979-06-14	6.53				1979-05-08	5.05	
1979-04-10	4.69				1979-03-22	5.24	
1979-02-05	5.80				1979-01-04	8.32	
1978-11-16	12.04				1978-10-12	12.20	
1978-07-25	7.57				1978-03-16	5.08	
1977-09-27							
Note: The	site was dry (	no water level i	recorded).				
1977-08-25							
Note: The	site was dry (	no water level i	recorded).				
1977-07-22	37.83				1977-06-08	35.60	
1977-04-22							
	site was dry (ı	no water level i	recorded).				
1977-03-24							
	site was dry (	no water level i	recorded).				
1977-02-03  Note: The site was dry (no water level recorded).							
	site was dry (i	no water level i	recorded).				
1976-12-17							
	site was being	g pumpea.			1076 10 07	26.02	
1976-11-19	38.38				1976-10-07	36.93	

Ground-water levels, continued.							
Date	Feet below Surface	Sealevel		Date	Feet below Surface	Sealevel	
1976-09-03				1976-07-29			
1976-06-16	34.08			1976-03-05	33.80		
1972-04-25	23.86			1971-09-27	21.40		
1967-03-30	23.16			1960-12-20	37.60		
1960-11-20	33.68			1960-10-20	34.93		
1960-09-20	34.93			1960-04-20	31.60		
1960-03-20	32.10			1960-02-20	32.77		
1960-01-20	32.60			1959-12-20	31.60		
1959-11-20	19.93			1959-10-20	29.77		
1940-07-26	9.65			1934-09-27	18.52		
1934-06-11	13.70			1933-04-24	6.60		
1932-09-16	11.50			1932-06-14	5.60		
1931-11-23	20.10			1931-08-26	17.96		
1931-08-13	17.52			1931-06-24	15.05		
1931-04-09	13.35			1931-03-20	11.62		
1930-12-30	14.43			1930-11-10	31.50		
1929-12-07	18.91			1929-10-29	19.22		
1926-08-12	13.27			1926-02-09	16.10		
1924-05-25	15.46			1924-05-23	27.60		
1923-11-06	15.22			1923-07-13	14.17		

K28
South
1/2 - 1 Mile
Higher

FED USGS USGS3105942

iigilei						
Agency cd:	USGS	Site no:	331525116570701			
Site name:	010S001W35Q001S					
Latitude:	331525	EDR Site id:	USGS3105942			
Longitude:	1165707	Dec lat:	33.25698055			
Dec Ion:	-116.95280527	Coor meth:	M			
Coor accr:	U	Latlong datum:	NAD27			
Dec latlong datum:	NAD83	District:	06			
State:	06	County:	073			
Country:	US	Land net:	Not Reported			
Location map:	Not Reported	Map scale:	Not Reported			
Altitude:	900.00	·	·			
Altitude method:	Interpolated from topographic map					
Altitude accuracy:	20					
Altitude datum:	National Geodetic Vertical	Datum of 1929				
	0 1 1 0 5 11 0 11 1 1 1 1 1 1 1 1 1 1 1					

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Stream channel

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 34.0 Hole depth: 34.0

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1971-09-01 Ground water data end date: 1971-09-28

Ground water data count: 2

Ground-water levels, Number of Measurements: 2

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1971-09-28 32.57 1971-09-01 34.00

L29 SSE CA WELLS CADW4000001666

1/2 - 1 Mile Higher

> Longitude: -116.9492 Latiude: 33.255

Stwellno: 11S01W02A001S

Districtco: 3
Welluseco: Z
Countyco: 37
Gwcode: 900700

Site id: CADW4000001666

SSE FED USGS USGS3105939

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 331518116565401

Site name: 011S001W02A001S

Latitude: 331518 EDR Site id: USGS3105939 Longitude: 1165654 Dec lat: 33.2550362 Dec Ion: -116.94919408 Coor meth: Μ NAD27 Coor accr: U Latlong datum: District: Dec latlong datum: NAD83 06 State: 06 County: 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 900.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Stream channel

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 111 Hole depth: 111

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1968-01-21 Ground water data end date: 1973-03-28

Ground water data count: 4

Ground-water levels, Number of Measurements: 4

1973-03-28 44.43 1971-09-28 38.18

1971-09-01 38.00 1968-01-21 50.7

Note: Other conditions existed that would affect the measured water level.

31 NNW FED USGS USGS3105821 1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 331636116573801

Site name: 010S001W26M001S

 Latitude:
 331636
 EDR Site id:
 USGS3105821

 Longitude:
 1165738
 Dec lat:
 33.27670217

 Dec Ion:
 -116.9614164
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 06

 State:
 06
 County:
 073

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 865.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: San Luis ReyEscondido. California. Area = 766 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: 19650101

Date inventoried: Not Reported Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: Not Reported Hole depth: 259

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

## AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
	<del></del>	
92082	9	4

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	0.677 pCi/L 0.400 pCi/L	100% 100%	0% 0%	0% 0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

**EPA Radon Zones** Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

#### STREET AND ADDRESS INFORMATION

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P.O. BOX 68 · VALLEY CENTER · CALIFORNIA 92082 · (760) 749-1051 Fax (760) 749-8901

D. E. H.

MAILROOM

August 24, 2001

Gary Griffith, Inspector County of San Diego Department of Environmental Health 1255 Imperial Ave. San Diego, CA

Re: Rincon Mushroom Farm, APN 133-180-02

Dear Mr. Griffith:

As you can see on the attached correspondence from EPA, the county cited the above facility in 1989 for disposing waste oil onto the ground surface.

Rincon would like to identify the location of waste sites within the boundaries of its reservation. Can you provide us with the location of the illegal waste oil disposal?

Thank you.

Sincerely

Alan Sweeney

Development and Legal Affairs Director

Cc: Gilbert Parada

Vernon Wright

David Lockart

Marianne Greene

Chris Prokop, EPA

JOHN CURRIER
Tribal Chairman
GILBERT PARADA
Vice Chairman
SHERYL GRAHN
COUNCII Member
BO MAZZETTI
COUNCII Member
VERNON WRIGHT
COUNCII Member
LEE ACEBEDO
Tribal Administrator

H 29474

UST is verified to be 1,000 gallons, it would be an "exempt" UST based on the Code of Federal Regulations at 40 CFR 280.12 (Definitions), which states that the term "UST" does not include any "Farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes". I will fax you the page from the CFR where this definition is located.

I will contact Mr. Donius early next week to gauge his progress on obtaining the records on the UST removal. Please keep in mind that if the UST were removed several years ago, the records on the removal could be scant. But again, if the measurements of the UST prove that it has a volume less than 1,100 gallons, the UST would be exempt and not subject to EPA regulation. Hopefully, Ms. Schultz or one of her staff will respond to you shortly on any RCRA-C issues that may emerge. As agreed, I will send you copies of any paperwork and photos I receive from Mr. Donius.

Sincerely,

Chris Prokop, Hydrogeologist EPA Region 9

---- Forwarded by Chris Prokop/R9/USEPA/US on 07/31/2001 03:56 PM ----

Chris Prokop

To: Frances Schultz/R9/USEPA/US@EPA

07/27/2001

cc: Rebecca Jamison/R9/USEPA/US@EPA, Lester

Kaufman/R9/USEPA/US@EPA,

03:34 PM

Clarice Olson/R9/USEPA/US@EPA, Bobby Ojha/R9/USEPA/US@EPA, Dave

Hodges/R9/USEPA/US@EPA
Subject: Complaint by the environmental program contact for the
Rincon Tribe

Fran- I'm following-up on a concern voiced by Marianne Greene, the Environmental Protection Program Coordinator for the Rincon Band of Luiseno Mission Indians (near San Diego), regarding the former Mushroom Farm "facility" on privately-owned land within the Rincon tribal boundary. I'm not sure you can do a whole lot more than what I've already done on this matter, but I believe you should be aware of it and proceed as you see fit. At the very least, however, I think someone from your section should contact Ms. Greene at (760) 749-1065, ext. 312 about her concerns. Although I intend to provide you with some materials on this site after I complete this email, I want to describe some aspects of this situation here:

- This facility was operated as a Mushroom Farm through 11/6/91 based on a handwritten note from the Farm's former manager (Kym Barrow). Based on inspection reports by San Diego County's Department of Environmental Health from 1989 and 1991, the facility stored waste formaldehyde-based pesticide and waste oil in drums, and was cited by the County for disposing waste oil onto the ground surface (1989), not having manifests for the offsite disposal/recycling of wastes, leaving drums open, and not labeling drums.
- Based on my conversation this afternoon with Gary Griffith, an inspector with the County, the property is currently being used by two trucking companies (the business is now known as Mushroom Express). During Gary's

HZ9474 Filogy

# County of San Diego

#### DEPARTMENT OF ENVIRONMENTAL HEALTH

GARY ERBECK DIRECTOR

338 Via Vera Cruz, Suite 201 San Marcos, Ca 92069 760-471-0730 RICHARD HAAS ASSISTANT DIRECTOR

September 14, 2001

Alan Sweeney, Development and Legal Affairs Director Rincon Indian Reservation P.O. Box 68 Valley Center, CA 92082 (760) 749-1051

RE: Rincon Mushroom Farm, 33777 Valley Center Road, Valley Center, CA 92082.

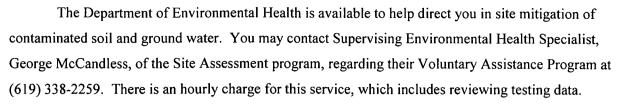
Dear Mr. Sweeney,

We received your letter inquiring about the location of illegal waste oil disposal at Rincon Mushroom Farm, 33777 Valley Center Road, Valley Center, CA 92082. Our files contain two inspections, dated August 7, 1989 and September 3, 1991. We do not have any photographs or "Hazardous Material Business Plan" site maps on file for this business.

The hazardous materials specialists that conducted these inspections do not remember observing large quantities of waste oil disposal to the ground at Rincon Mushroom Farm. The inspection dated August 7, 1989, cites, "Discontinue disposing of waste oils or used oils to the ground surface." The specialist that wrote this report believes that this citation was due to the spillage of used motor oil around the used oil storage drum. The specialist that wrote the report, dated September 3, 1991, does not remember seeing evidence of waste oil disposal to the ground.

Although the August 7, 1989 cited spillage was in reference to the used motor oil drum storage location, we do not have a record of its location on the former Rincon Mushroom Farm property. The specialists conducting the inspections were unable to recall the specific location of the waste oil drum storage on the property.

Other than conferring with occupants of the property, environmental consultants are available to help assess the extent of contamination. Consultants can help you to develop a mitigation program after the contamination has been analyzed. A copy of our "List of Contractors" is enclosed for your reference.



If you have any further questions, please contact me at (760) 940-2870.

Sincerely,

Gary J. Griffith, Environmental Health Specialist III

Enclosure: "List of Contractors"

Cc: Mike Dorsey, Chief, Hazardous Materials Division Ed Slater, Supervisor, Hazardous Materials Division George McCandless, Supervisor, Land & Water Quality Division Kerry McNeill, Supervisor, Land & Water Quality Division File #H29474



# Case 3:09-cv-02330-WQH-POR Document 17-2 Filed 12/11/09 Page 52 of 209



#### DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE

ESCONDIDO DISTRICT OFFICE 1320 W. Valley Parkway. Suite 30 ESCONDIDO, CA 92029

January 18, 2008

Ms. Kristie Orosco, Environmental Director Rincon Luiseno Band of Indians 33750 Valley Center Road, P.O. Box 68 Valley Center, CA 92082

RE: Public Health, Safety and Environment Threat; Mushroom Express Property

Dear Ms. Orosco:

Per your request, I am writing to share an environmental health perspective on the "Mushroom Express" property. My findings and recommendations are based on a site visit with Eric Mendoza, Rincon Environmental Compliance Coordinator, conducted on January 16, 2008 and findings in reports written by County and federal officials.

#### SUMMARY

The property clearly presents potential threats to public health, safety and the environment including:

- Contamination of the unconfined aquifer which is used as a public water supply.
- Physical hazards from assorted waste and partially demolished buildings.

A variety of problems have been identified on many occasions, but environmental laws have not been enforced at the site for nearly thirty years. Examples include:

- In 1983, the Indian Health Service identified a "health hazard" in formal correspondence with the Tribe based on the analysis of a 100 milliliter sample of storm water which flowed off-site and contained over 2,400 colonies of fecal Coliform bacteria.
- A 1989 County inspection report identified the owner/operator as an unregistered generator of hazardous waste (waste oil and formaldehyde) and cited other violations including storage, labeling, and disposal of hazardous waste on-site, all violations of the Resource Conservation and Recovery Act (RCRA).
- A 2005 U.S. Environmental Protection Agency (EPA) site visit report includes findings of "overflowing" 55 gallon waste oil drums, unlabeled containers, and

unregistered injection wells; violations of the RCRA and the Safe Drinking Water Act.

In 2006, the County received a citizen complaint which stated "vehicles are leaking oil and fluids everywhere".

Most of the lot should be isolated as a hazard area and entry should be denied until it is formally evaluated and remediated by an objective third party in accordance with industry best practices.

- The EPA can conduct a formal Environmental Assessment that will include debris, soil and groundwater sampling. Contact Mr. Glenn Kistner, Brownfields Coordinator, at kistner.glenn@epa.gov or ph# 415-972-3004 to request a no-cost (expedited?) assessment. An assessment conducted by the EPA will ensure proper and objective sampling technique which is necessary to determine the full scale and type of contamination at the site.
- Site remediation planning is dependent on a properly conducted environmental assessment. Improper sampling (e.g. location and number of samples) and laboratory analyses can lead to faulty conclusions about the type and extent of contamination and the best way to remediate the site.
- There is mention in the EPA report "POLREP #1" for the period 1/9/08 1/14/08 that the County was engaged in a clean-up of the site after the October 2008 fire. You should request from the County a copy of the list of materials removed from the site during that time. The list would help with the development of a site sampling plan and site worker health & safety plan.
- The on-site well could serve as a monitoring well to evaluate groundwater quality over time. It should not be used as a source of drinking water until several samples are collected over time (e.g. dry and wet season sampling) and analyzed to show that the water meets federal drinking water quality standards including bacteriological, radiological, inorganic contaminants (e.g. metals), synthetic organic contaminants (e.g. pesticides and herbicides) and volatile organic contaminants (e.g. toluene and xylenes). Usually, there are at least three monitoring wells arrayed to "capture" the most likely path of a contaminant plume.

## RELATED DETAIL AND RECOMMENDATIONS

During my January 16, 2008 visit to the site, I saw a variety of contaminants and at least two conduits for contamination into the unconfined aquifer beneath the site. My observations included:

- Automotive battery ash with lead plates exposed,
- Tire ash which typically contains zinc and other metals,

- Six 55-gallon drums (one was 1/3 full with what appeared to be a thick sludge),
- Compressed gas cylinders;
- A variety of cooling units with coolant tanks;
- Contaminated soil with petroleum odor;
- A 3,000 gal. above-ground diesel fuel tank with no spill containment structure;
- A fuel pump next to the tank and sited on bare soil;
- An injection well with an open grate at ground level near the large diesel tank;
- The location of a septic tank and drain field;
- Burnt cars and truck trailers:
- What appeared to be paint cans (burnt beneath a burned-out trailer).

Photographs are included as an attachment to this letter.

It may be a "stretch", but there may also be an inhalation risk from airborne asbestos fibers that originated from building materials, automotive brake pads, clutch facings, and gaskets.

According to the San Diego County Soil Survey, soils at the site are sandy loams with "moderately rapid" permeability. This fact, taken in consideration with the fact that there is no confining layer over the aquifer to protect it from surface contamination, provides further justification for the concern about the possibility of aquifer contamination over the last 30+ years. As I understand, there are six public water systems in the area that rely on the aquifer as a source of drinking water.

The site lies entirely within the flood plain of the San Luis Rey River. A major flood event could carry contaminants off-site and impact the riparian ecosystem.

Please do not hesitate to contact me for further assistance regarding this matter. You can reach me at ph# 760-735-6891.

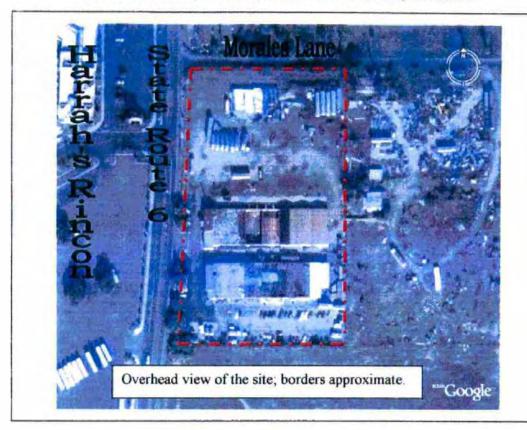
Respectfully,

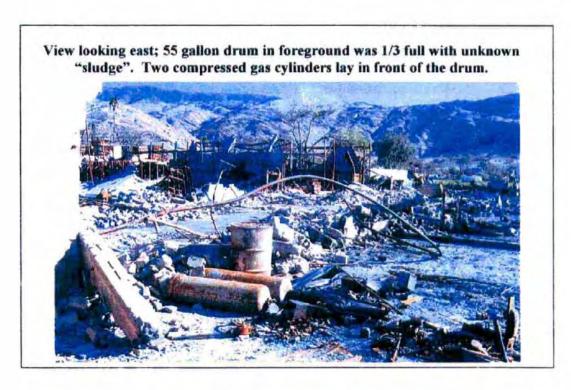
David E. Robbins, R.E.H.S.

District Environmental Health Specialist

# Case 3:09-cv-02330-WQH-POR Document 17-2 Filed 12/11/09 Page 55 of 209

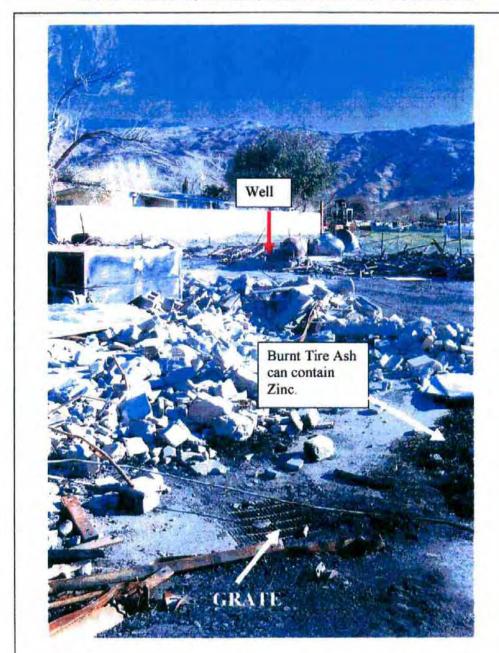
Mushroom L\_ress; Rincon Reservation site visit January 16, 2007 David E. Robbins, R.E.H.S., Indian Health Service, Escondido





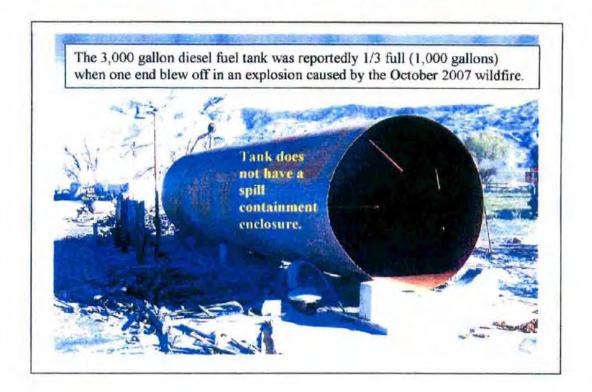
Page 1

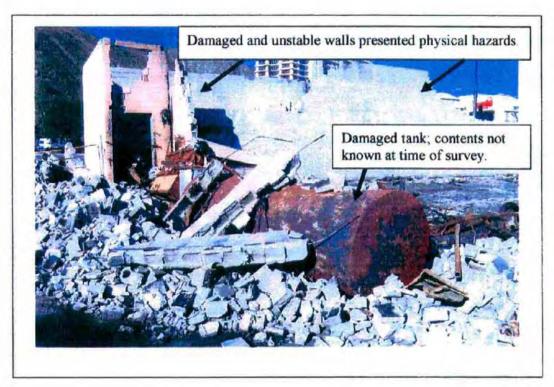
Mushroom E., ress; Rincon Reservation site visit January 16, 2007 David E. Robbins, R.E.H.S., Indian Health Service, Escondido



The grate covers a drain previously identified by EPA as an injection well that is regulated under the Underground Injection Control provisions of the Safe Drinking Water Act. If an underground tank does not capture whatever flows into the grate, contaminants will infiltrate through the soil into the groundwater.

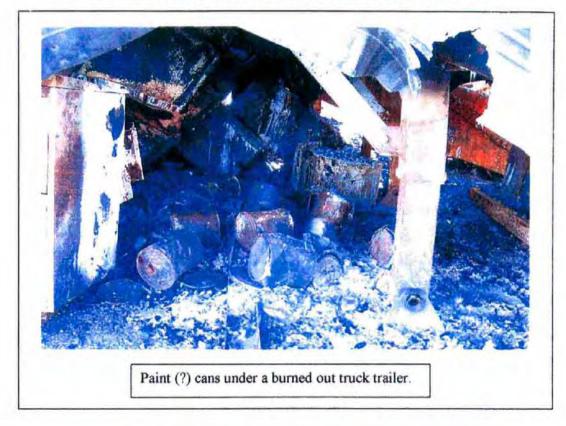
Potential contaminant sources and paths for groundwater contamination through uncovered soil and the grate at the bottom of this photo: 3000 gallon dieser fuel tank with no containment Pamp Burn **GRATE** - See page 2 picture caption





# Case 3:09-cv-02330-WQH-POR Document 17-2 Filed 12/11/09 Page 59 of 209

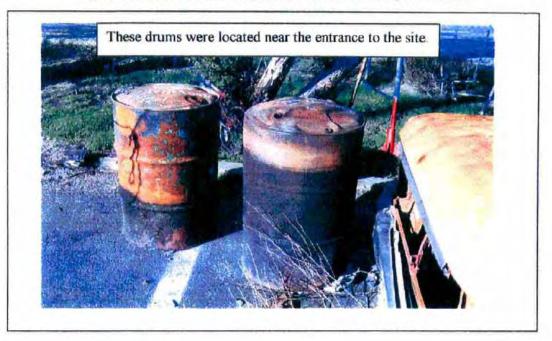
Mushroom Laress; Rincon Reservation site visit Jary 16, 2007 David E. Robbins, R.E.H.S., Indian Health Service, Escondido

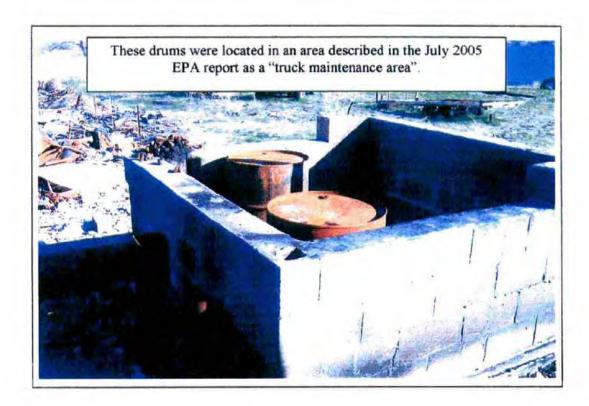




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Mushroom Laress; Rincon Reservation site visit January 16, 2007 David E. Robbins, R.E.H.S., Indian Health Service, Escondido

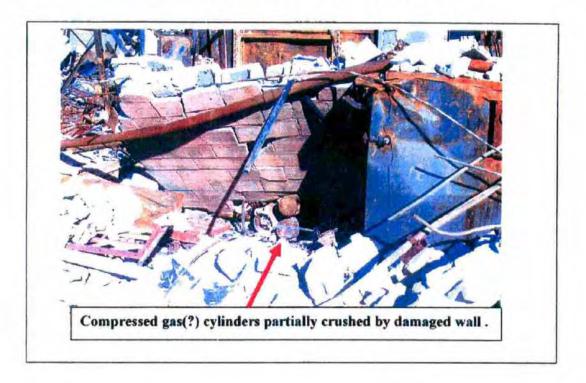




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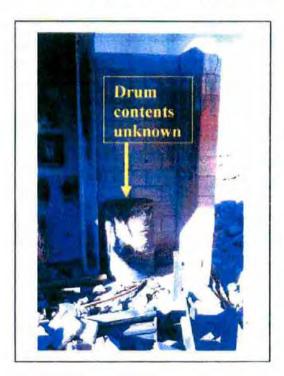
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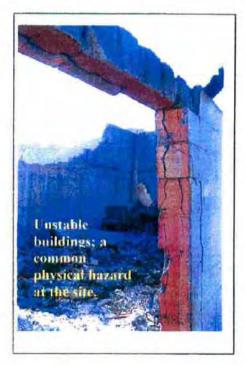


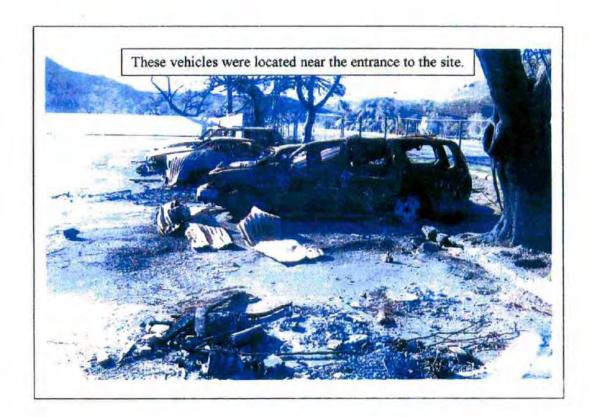


# Case 3:09-cv-02330-WQH-POR Document 17-2 Filed 12/11/09 Page 62 of 209

Mushroom L. press; Rincon Reservation site visit J. aary 16, 2007 David E. Robbins, R.E.H.S., Indian Health Service, Escondido







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Team 9, a Joint Venture 221 Main Street, Suite 600 San Francisco, CA 94105 Tel: (415) 243-3800

Fax: (415) 882-9261

September 4, 2008

United States Environmental Protection Agency Emergency Response Office 2250 Obispo Avenue, Suite 101 Signal Hill, California 90755 TDD: TO1-09-08-01-0001 Contract No. EP-S9-06-01

Attention: Craig Benson, Federal On-Scene Coordinator

**Subject:** Letter Report, Mushroom Express Assessment

Mushroom Express Site 33777 Valley Center Road Valley Center, California

Latitude 33.265° North; Longitude 116.953° West

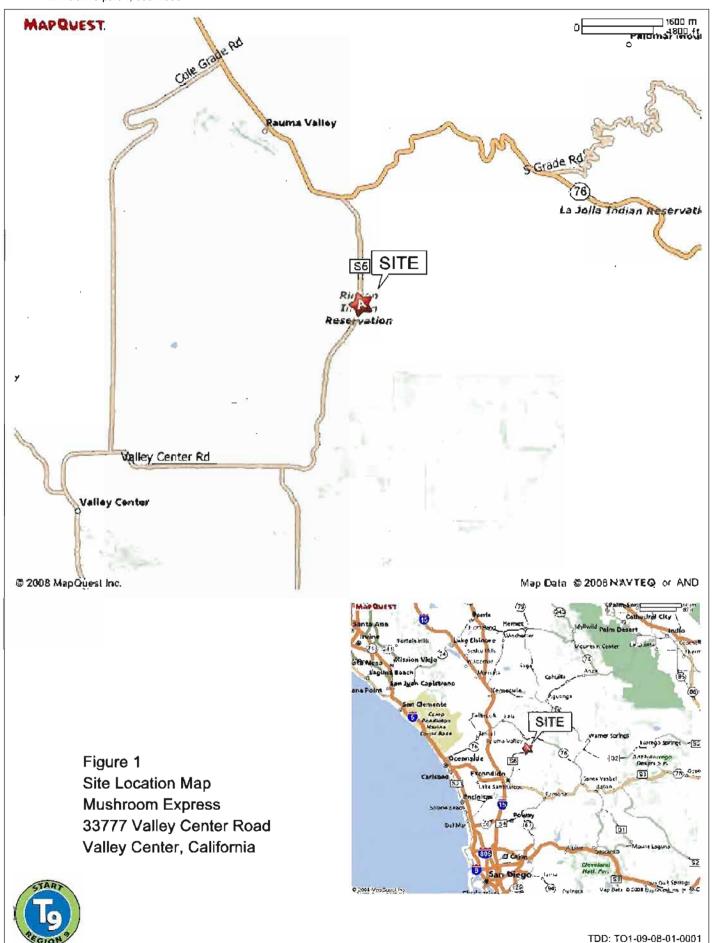
Dear Mr. Benson,

In January 2008, the United States Environmental Protection Agency, Region 9, Emergency Response Section (USEPA) requested technical support from the Team 9 Superfund Technical Assessment and Response Team (START) regarding the Mushroom Express site, located at 33777 Valley Center Road, Valley Center, San Diego County, California (Figure 1).

The Mushroom Express site is a five-acre parcel of privately-held fee land that is located within the boundaries of the federal Rincon Indian Reservation. The non-tribal facility has functioned as a mixed-use commercial site, and for a number of years Mushroom Express operated as a produce management and mushroom growing business. The parcel contained two cinderblock/wood/concrete-foundation buildings totaling approximately 43,000 square feet (about one acre). The buildings were used for mushroom growing operations and citrus fruit packaging, and one of the structures also contained several apartments. In addition, the site owner leased open space on the property to several tenants for truck/trailer storage, equipment storage and a separate towing/impound business.

The buildings and associated out-structures, plus several above-ground storage tanks (ASTs), a waste oil storage area, a drinking water well, and many of the trucks, trailers and cars parked on the parcel were destroyed in the October 2007 southern California wildfire event. Due to the fire, both of the buildings' roofs and walls had caved in, and ash and debris were strewn about the foundations. Truck trailers parked nearby were destroyed, some of which were observed to contain drums that had vented in the fire.

In January 2008, the Rincon (Tribal) Environmental Department requested USEPA assistance with site evaluation and in efforts to compel the property owner to proceed with any necessary cleanup actions.





## **USEPA/START** Activities

On January 9, 2008, Federal On-Scene Coordinator (FOSC) Craig Benson tasked the START to prepare a sampling plan and be prepared to open and collect samples from drums at the site, and to perform hazard categorization (hazcat) testing of the contents found. The START therefore prepared a quality assurance sampling plan (QASP) for the site, titled, "EPA Emergency Response Section (ERS) and Superfund Technical Assessment and Response Team (START)Emergency Response and Time Critical Quality Assurance Sampling Plan For Soil, Water and Miscellaneous Matrix Sampling", (January 10, 2008)(Attachment 1).

## January 11, 2008 Sampling Event

The USEPA and the START met with representatives of the Rincon Environmental Department on January 11, 2008 to conduct site inspection and sampling activities. The property owner, Mr. Marvin Donius, was present during the site inspection. The START conducted continuous air monitoring during the site inspection, using a Ludlum® Model 19 Micro R Meter to monitor radiation levels, as well as a 5-gas meter equipped with cyanide, photoionization, and hydrogen sulfide detectors and oxygen and lower explosive limit sensors. No readings were found to exceed background levels.

An on-site well house and its associated plumbing, located on the eastern border of the site, was found to have been destroyed by the fire. A large (4,000-gallon or more) AST, said by Mr. Donius to have contained diesel fuel and located to the south of the well, had one side blown out and was free of any obvious petroleum staining or odor. Most ASTs and drums found on the site were found to be empty. A small cinderblock-walled waste oil management area contained two open-bung drums holding small amounts of liquid. Some potentially oil-stained ground was visible immediately to the south of the waste oil management area. Two closed-bung drums were found on the western border of the property near the fenceline, which also contained small amounts of liquid.

At FOSC Benson's direction, the START collected samples from each of the four drums that had any contents using Level C personal protection, and conducted hazcat tests on the contents. The contents of all four were determined to be slightly-oily water. The drums were marked as containing oil and water and temporarily left in place.

The Rincon Environmental Department representative requested USEPA assistance in investigating the potentially oil-stained soil located to the south of the waste oil management area, as well as a sump and two septic systems described by Mr. Donius to be located on the site.

## February 28, 2008 Site Visit

On February 28, 2008, the USEPA and the START conducted another site visit, meeting with Mr. Donius, Rincon Environmental Department representative Eric Mendoza, and others. The primary purpose of the meeting was to discuss and agree to a final sampling strategy to identify areas of potential soil contamination, groundwater quality and potential contamination associated with fire-impacted materials. FOSC Benson and Mr. Mendoza expressed to Mr. Donius that the USEPA and the Tribe maintained an interest in overseeing a voluntary cleanup of the site. Mr. Donius agreed to



finance the sampling and analysis effort. A tentative March 30, 2008 timeframe for sampling implementation was scheduled.

Since the January 11, 2008 site activities, Mr. Donius had removed some scrap metal off-site, San Diego Gas and Electric removed a transformer, and an insurance company removed one truck trailer from the property. The truck had contained burnt paint cans which were no longer on site.

FOSC Benson requested that the following items be addressed by Mr. Donius:

- Management of physical hazards, including falling walls
- Management of Environmental hazards
  - Submission of a Sampling and Analysis Plan (SAP) to include the following criteria:
    - 1) Data Quality Objectives
    - 2) Sample Methodologies, including analysis and sample collection methods
    - 3) Sample media are groundwater, surface soil, and burn ash
    - 4) Submit to USEPA and Rincon Environmental Department for review and approval
    - 5) Collect and submit to lab all environmental samples by March 31, 2008
  - Identification of facilities to receive all materials and wastes moved off-site.

#### **Sampling Plan Review**

On April 1, 2008, the START received a SAP from environmental contractor Marc Boogay. A delay in the submittal of a draft SAP was experienced after Mr. Donius and the attorney representing the previous site owner, Rincon Mushroom Corporation of America, could not reach a conflict-of-interest resolution. The Rincon Mushroom Corporation of American is a holder in a security interest on the property under a first deed of trust. Marc Boogay was subsequently hired by Mr. Donius to prepare and implement the SAP. Several draft SAP versions were reviewed before approval on May 8, 2008. An extensive list of analytes was required by the USEPA for the water samples, and the analytes required for the soils included total petroleum hydrocarbons (TPH) and California Title 22 metals. The finalized SAP prepared by Marc Boogay is presented in Attachment 2.

#### June 14, 2008 Site Owner-Sponsored Sampling Event

On June 14, 2008, with START oversight, Marc Boogay and assistants collected pre- and post-purge water samples from the on-site well; collected interval-depth soil samples from south of the waste oil management area and around the large AST, collected soil samples on a grid from an area of burned trucks to the north of the northern foundation, and collected two composite ash samples, one from an area north of the northern foundation and the other from the an area around the perimeter of the waste oil management area. An onsite sump, which is a "closed sump" (no outlet) according to Mr. Donius, located between the two former buildings, was found to be full of rubble and could not be investigated or sampled. One of the septic systems was found and uncovered, and was found to contain water with no odor. Although Mr. Boogay offered to sample the water, the START recommended against doing so because of his lack of appropriate personal protective equipment (PPE) or a plan to deal with potential coliform-contaminated material.



Upon receipt of the data from the sampling episode, all water sample results were found to be negative or below USEPA maximum contaminant levels for all investigated analytes. Two soil samples exceeded the site-specific action level of 100 milligrams per kilogram (mg/kg) for TPH, one to the southwest of the AST and the other to the south of the waste oil management area. The two ash composite samples exceeded the California total threshold limit concentration (TTLC) or extrapolated soluble threshold limit concentration (STLC) for copper and zinc.

As a result of these findings, FOSC Benson requested that the START collect additional characterization samples of the ash. The START prepared a second QASP, dated July 22, 2008 (Attachment 1).

#### July 29, 2008 START Sampling Event

The USEPA and the START visited the site on July 29, 2008 in order to collect additional samples of ash in an attempt to further delineate the lateral extent of burn ash. Mr. Donius was also present, and FOSC Benson requested that he follow up with a plan to map the two septic systems.

The START collected eight soil and/or ash samples to obtain information to assist with the delineation of ash-contaminated areas of the site. The samples were composite samples, collected from six separate locations within each area and homogenized into one sample. The sampling locations are presented on Figure 2.

After saving a portion of each sample for later use, the START shipped the samples to Emax Laboratory, Inc. of Torrance, California for total metals analysis by USEPA Method 6010B. The results of the sampling are presented in Table 1. As only three of the 16 investigated metal analytes (copper, lead, and/or zinc) exceeded their TTLC action levels, only these analytes are presented in Table 1. The laboratory data reporting sheets for the samples are presented in Attachment 3.

The sample identified as EPA-Ash8 was collected in an area suspected to be free of contamination, on the northwest corner of the property, to help establish background analyte concentrations.

Based on the results of the sampling, FOSC Benson requested that Mr. Donius acquire an environmental cleanup contractor to remove the contaminated ash material and the minor amount of TPH-contaminated soil. FOSC Benson also volunteered START field support for the cleanup, in the form of a field x-ray fluorescence (XRF) instrument, to be used to delineate areas of contamination and provide confirmatory analysis of a successful ash removal.

#### August 6, 2008 Site Meeting

On August 5, 2008, at FOSC Benson request, the START notified the Rincon Environmental Department about a site meeting to occur on August 6, 20078 and invited their attendance. On August 6, the START met at the site with the cleanup contractor, Environmental Recovery Services, Inc. (Enviroserv) and Mr. Boogay. The START provided them with the latest data and discussed required site remediation activities and the XRF confirmation sampling support that would be provided.

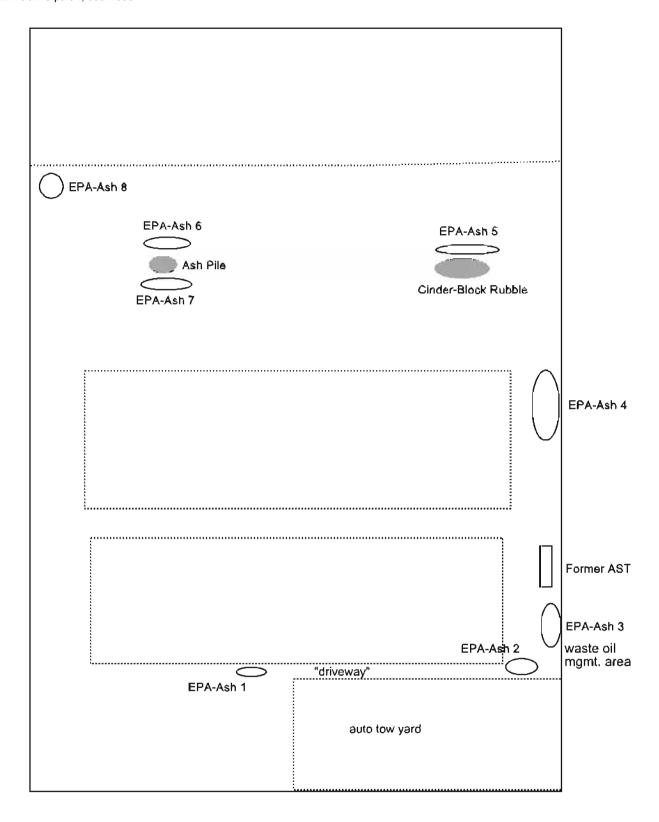


Figure 2
Schematic of START Composite Sampling Locations
July 29, 2008
33777 Valley Center Road
Valley Center, California

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Table 1
Total Metals Soil/Ash Sampling Results
Mushroom Express Site
Samples Collected July 29, 2008
mg/kg

	,··- <del>-</del> 9	
Copper	Lead	Zinc
(TTLC = 2,500)	(TTLC = 1,000)	(TTLC = 5,000)
5090	4220	11900
5190	2020	27200
123	19.4	5420
477	153	1970
37.5	12.7	115
381	151	688
12.6	8.65	77.7
5.60	5.74	50.2
	Copper (TTLC = 2,500) 5090 5190 123 477 37.5 381 12.6	Copper (TTLC = 2,500)       Lead (TTLC = 1,000)         5090 4220       4220         5190 2020       123 19.4         477 153       15.7         37.5 12.7       15.1         381 151       151         12.6 8.65

Results in **bold** exceed TTLC

On this date, the START also performed calibration checks on the XRF instrument, and analyzed portions of the eight samples which had been collected on July 29, 2008. The correlation between the XRF sample results and laboratory results was very strong, with correlation coefficients of 0.995 to 0.998 for the three analytes, copper, lead, and zinc (Table 2).

#### August 8, 2008 START Site Visit

On August 8, 2008, the START visited the site with the XRF instrument and scanned other potential areas that could be contaminated with ash. Thirty additional areas were scanned, and three additional "hot spots" were found, which are shown on Figure 3.

#### August 17, 2008 Septic System Daylighting

The START visited the site on August 17, 2008 to witness a septic systems contractor's daylighting of the second septic system. The second system was successfully daylighted, and subsequently protected with wood cover and caution tape.

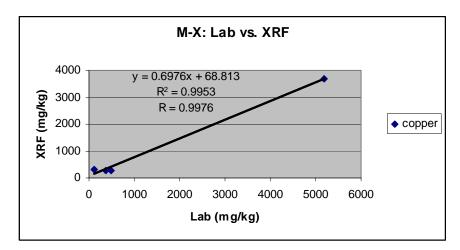
FOSC Benson has determined that the septic system issues are best placed under the jurisdiction of the USEPA's Ground Water Office, and will not be further addressed by the USEPA's Emergency Response Section.

#### August 22, 2008 Site Cleanup and Removal Activities

On August 14, 2008, an Enviroserv work plan describing the removal activities was submitted to USEPA FOSC Rich Martyn, as FOSC Benson was traveling at the time. FOSC Martyn approved the work plan on the same day, and Enviroserv forwarded the work plan on August 14, 2008 to the Rincon Environmental Department for their review and comment. As no comments from the Rincon Environmental Department were received by August 21, 2008, the START contacted the Rincon Environmental Department on August 21, 2008, notifying them of cleanup activities to occur on the following day and inviting their presence.

Table 2 Mushroom Express: Lab data vs. XRF Data

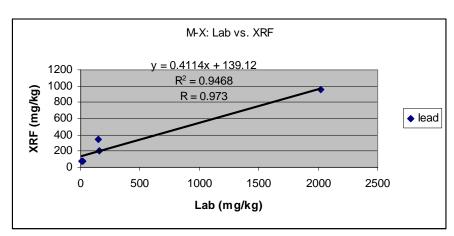
	Copper			Lead			Zinc	
	Lab	XRF		Lab	XRF		Lab	XRF
EPA-Ash1	5090	930	EPA-Ash1	4220	480	EPA-Ash1	11900	8400
EPA-Ash2	5190	3700	EPA-Ash2	2020	960	EPA-Ash2	27200	63000
EPA-Ash3	123	310	EPA-Ash3	19.4	79	EPA-Ash3	5420	4380
EPA-Ash4	477	280	EPA-Ash4	153	210	EPA-Ash4	1970	1200
EPA-Ash5	37.5	<230	EPA-Ash5	12.7	<54	EPA-Ash5	115	215
EPA-Ash6	381	290	EPA-Ash6	151	340	EPA-Ash6	688	920
EPA-Ash7	12.6	<250	EPA-Ash7	8.65	<58	EPA-Ash7	77.7	<160
EPA-Ash8	5.6	<202	EPA-Ash8	5.74	73	EPA-Ash8	50.2	<140

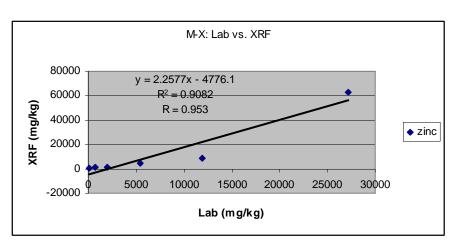


For copper, "<" values deleted, Ash 1 deleted

For lead, "<" values deleted, Ash 1 deleted

For zinc, "<" values deleted





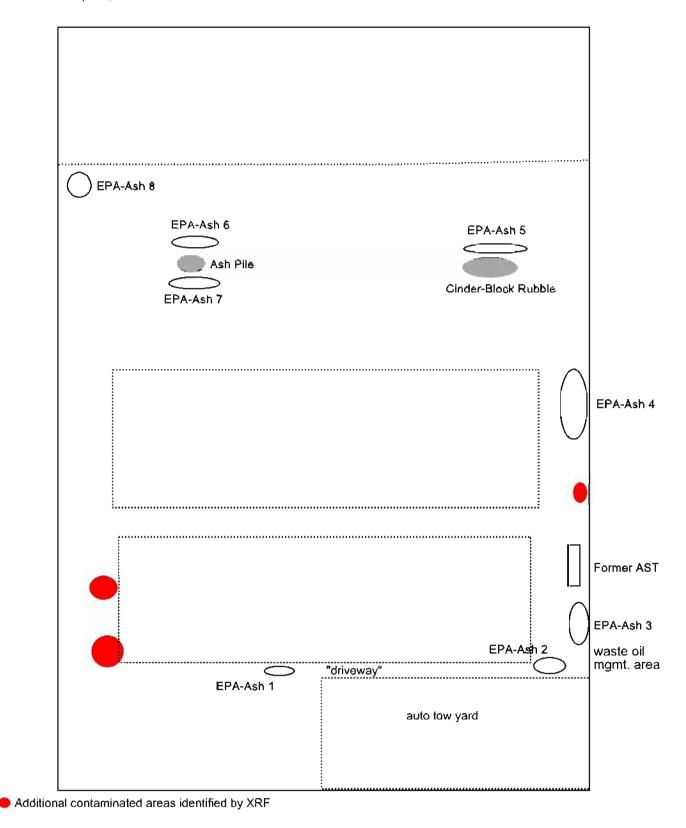


Figure 3
Schematic of START Composite Sampling Locations and Additional Areas Identified by XRF
33777 Valley Center Road
Valley Center, California

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On August 22, 2008, the START met Enviroserv personnel at the site, and removal activities commenced. Mr. Boogay visited the site twice during the work day, but there were no other site visitors. Figure 4 indicates the areas of the site which underwent removal and confirmation analysis activities. Due to time constraints for work completion, field analytical methods were used to conduct post-removal confirmatory analyses.

Both ash piles which were found to be contaminated through the original composite samples (and corroborated, in part, through START samples EPA-Ash2 and EPA-Ash3) were removed into trucks using a backhoe bucket. The three hot spots discovered on August 8 were removed in the same manner, as was the pile of ash from which EPA-Ash1 was collected. Removal areas which happened to be on concrete were then swept and the additional material removed by shovel, and then pressure-washed. All backhoe and sweeping activities were conducted with water spray dust suppression. The complete "driveway", from west of the EPA-Ash1 pile to the waste oil management area, was swept and pressure-washed. All areas from which ash was removed were then scanned by the START with the XRF at multiple locations within each area, and any locations which approached or exceeded any TTLC limit for any metal was additionally excavated or swept and pressure washed. The northern ash pile and the "driveway" required additional cleanup due to additional hot spots discovered through the XRF confirmation scanning procedure.

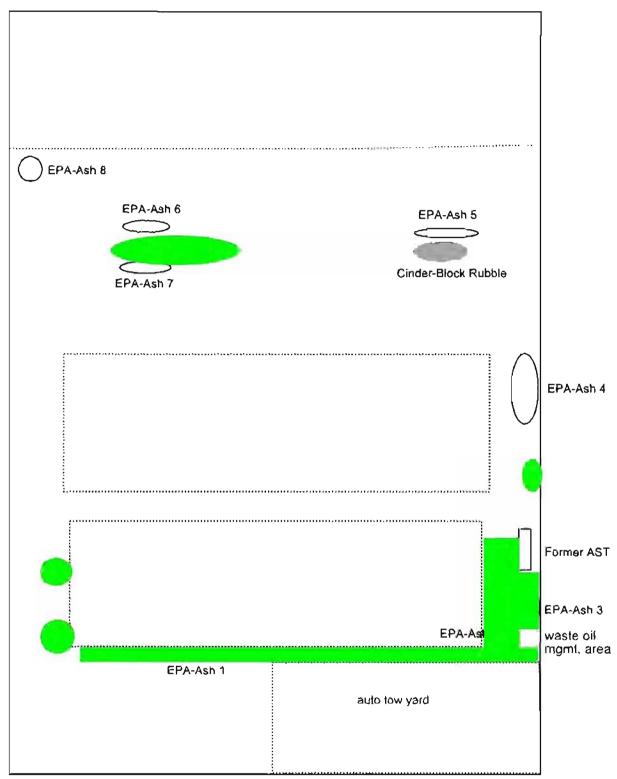
The two areas from which TPH-contaminated soil samples were collected were removed by hand shovel. Enviroserv then collected a confirmation soil sample from the bottom of each removal pit, and performed a PetroFlag® field analysis on each sample. One of the two confirmation samples, collected from a depth of approximately two feet below the southern end of the waste oil management area, still indicated the presence of TPH at greater than the 100 mg/kg action level with an indicated concentration of 3,000 mg/kg. An additional six inches of soil were therefore removed, and the subsequent confirmation sample was found to be 31 mg/kg. The confirmation sample collected from an area adjacent to the former AST was acceptable, with an analytical result of 87 mg/kg.

#### **DISPOSITION OF WASTES**

On August 22, 2008, 47 tons of contaminated ash, soil and debris were removed from the site in two trucks, and delivered to Western Environmental, Inc. of Mecca, California for proper disposal. In addition, three drums of ash, PPE, and contaminated debris were shipped to U.S. Ecology in Beatty, Nevada for proper disposal. The manifests for the transport of the material are provided in Attachment 4.

#### **PHOTODOCUMENTATION**

Photodocumentation of the removal activities is provided in Attachment 5.



Areas of Removal and XRF Confirmation Analysis

Figure 4
Areas of Contaminated Soil and Ash Removal
August 22, 2008
33777 Valley Center Road
Valley Center, California

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#### **CONCLUSIONS**

TPH- and metals-contaminated ash and soil were successfully removed from the site on August 22, 2008. Field analytical techniques were used to document a successful removal. FOSC Benson has determined that future site septic tank investigations, if any, should be conducted under the jurisdiction of the USEPA Ground Water Office.

If you have any questions of comments regarding this letter report, please contact Giorgio Molinario or Des Garner at 415/896-5858.

Sincerely,

Mike Schwennesen Team 9 Project Manager

cc: Electronic Deliverable Systems 3 START Project File

# Attachment 1 START Quality Assurance Sampling Plans

## EPA Emergency Response Section (ERS) And Superfund Technical Assessment and Response Team (START)

## Emergency Response and Time Critical Quality Assurance Sampling Plan For Soil, Water and Miscellaneous Matrix Sampling

Response Location: Mushroom Express, San Diego County, California				
TDD: TBD				
Date: January 10, 2008				
Prepared by: Mike Schwennesen				
Reviewed by:				
Approved by:				
This sampling plan was prepared and delivered to the EPA OSC (select one):  X Prior to Sampling □ Post Sampling (within one month of sampling)				

This emergency sampling plan is intended to be used in conjunction with the EPA=s Region 9
Emergency Response Section=s Generic Data Quality Objectives (DQOs) for Emergency
Responses and Time Critical Evaluations. This sampling plan has been designed to assist field responders in their preparation for collecting, analyzing, shipping, storing and handling samples collected during an emergency response. The use of this generic sampling plan will involve forethought and planning that should help direct the sampling and analytical work. It is meant to be used in the case of emergency responses or time-critical responses when sampling teams may not have the opportunity to write a more thorough sampling plan. Sampling teams should always reference standard quality procedures, standard operations procedures, standard methods for sampling and analytical guidance.

The development of this generic plan will improve the documentation, communication, planning, and overall quality associated with the sampling and analysis by:

- 1) encouraging field teams to consider their goals and objectives before the generation of environmental data,
- 2) documenting predetermined information in a standardize format,
- 3) increasing the communication between sampling personnel and decision makers, and
- 4) detailing expectations and objective before samples are collected.

1.0 Introduction and Background. Describe the site and specify the geographic boundaries for the site and any specific areas of concern. What is the problem, what precipitated the response, which agencies and other entities (e.g., contractors) are on site, who has taken the lead for the response and for environmental clean-up actions?
Mushroom Express is a burned-down warehouse. Sampling of drums of unknown contents and ash will be conducted for potential enforcement purposes.
<b>2.0 Objectives.</b> Brief statement on the general project objective. What is the overall goal or objective? Specific objectives are summarized in Table D.
Collect samples using adequate sampling methodology and analytical method to provided definitive data for potential enforcement purposes.

### **2.1 Data Use Objectives.** (How will the data be used?)

Data that are generated will be used: (Select Appropriate Boxes)

- To be compared with a background or reference sample(s).
- 2 To be compared with an available detection or quantification level.
- 3 X To assist in determining the presence or absence of a hazardous material or substance at levels above an available detection or quantification level.
- To assist with determining the area of impact due to a hazardous material release. (i.e., horizontal and lateral extent).
- 5 X To be compared with site-specific action levels or risk-based action levels (e.g., EPA PRGs) to assist in determination if health threats exist.
- 6 As definitive confirmatory data for confirmation of non-definitive (screening) data.
- 7 Other objectives:

#### **2.2 Sampling Objectives.** (What are you proposing to do?)

- X Sampling to determine only the presence or absence of a hazardous substance within the area of concern.
   Sampling to estimate:

   contamination levels within the area of concern.
   contamination area(s) within a site.
- 3 Sampling to determine the location of hot spots within the area of concern..
- 4 Surface soil sampling to estimate the lateral extent of contamination
  - \_\_ of specific source area(s) or areas of concern
  - \_\_ over entire site
- 5 Sub-surface sampling to estimate the vertical extent of contamination
  - \_\_ of specific source area(s) or areas of concern
  - over entire site.
- 6 Sampling off site to determine:

## 2.3 Sample Matrices

1 X Surface soils

2 Subsurface soil

Depth(s): to be determined

- 3 Surface water
- 4 Groundwater Depth(s):
- 5 Other aqueous matrices

Please specify:

- 6 Wipe samples
- 7 Biota

Please specify:

8 X Other matrices: drums and other containers

Please note: Please use other QASPs for air and containerized samples.

### 2.4 Data Type

In general, data type and data needs should be decided prior to data generation. The data can be generally divided into three categories: definitive methodology data (generally data generated using standardize methods), non-definitive methodology data (also referred to as screening data) and screening data with at least 10% definitive conformation. The generation of definitive data is preferable, however in emergency and time critical situations where definitive data is not available, non-definitive data should be generated. Note that the data type is not an indicator of precision, accuracy or documentation completeness, or quality! Reported data should be verified (by a party other than the laboratory) as meeting specific quality control and data category requirements by following a verification or validation procedure. Refer to the START or ERS Quality Assurance Plans for specific quality parameters and requirements.

#### Check appropriate box(es):

- Screening data will be generated. The data by itself may not be verifiable. **Due to the time critical situation, the data must be reported and may be used to make decisions.**
- Screening data with at least 10 percent definitive data will be generated. Data using non-definitive analytical methodologies will be generated. Due to the time critical situation, the data must be reported and may be used to make decisions prior to generation of definitive data. The screening data by itself may not be verifiable.

Screening data will be evaluated and reported with definitive data at a later time.

- 2b Screening data with 10 percent definitive data will be generated. Data using nondefinitive analytical methodologies will be generated. Data will not be reported until it is evaluated against definitive data.
- Definitive data will be generated. The sampling and analysis must be done on an emergency basis. Due to the time critical situation, the preliminarily data must be reported and used for comparison without validation. Analytical data packages will be required. However, since the data was not used or intended for decision making, validation of the data package will not be performed. (Document generic DQO deviation in Section 4.4)
- 3b X <u>Definitive data will be generated</u>. The sampling must be done on an emergency basis. **Due to the time critical situation, preliminary data must be reported and may be used to make decisions without validation. The generated analytical documentation packages will be reviewed and validated. Qualified data will be reported after validation.**
- 3c <u>Definitive data will be generated</u>. Full documentation will be required. Analytical data packages will be reviewed and validated prior to reporting.

#### 2.5 Contaminants of Concern

Potential contaminants of potential concern (COPC), proposed analytical method, proposed action levels and available reporting limit are summarized in Table A.

Table A Contaminants of Concern						
Potential COC	Proposed Analytical Method	Proposed Action Level	Available Reporting Limit			
Total metals	EPA Method 6010B	TBD	2-10 mg/Kg			
Flash Point	EPA 1010	TBD	TBD			
Semivolatiles	EPA Method 8270C	TBD	1-5 mg/Kg			
Other Data Collection Activity (non-chemical)	GPS Visual	Interviews Ma	gnetometer			
(circle all that apply)	<u>Geophysical</u> Modeling	<b>Photography</b>	File Search			

Add additional pages if necessary.

#### 3.0 Approach and Sampling Methodologies

#### **ERS/START**

#### 3.1 Sampling Approach

Indicate sampling approaches to be used (select approach)

- Due to the lack of site information the approach will be determined in the field based on professional judgment of START and USEPA.
- 2 Due to the lack of site information the approach will be determined in the field based on professional judgment of US EPA.
- 3 Due to the lack of site information the approach will be determined in the field based on professional judgment of local regulator.
- 4 X Judgmental (Biased)
- 5 Random
- 6 Systematic
- 7 Transects
- 8 Search-Grid

If a search-grid, specify grid type (underline one): Square Triangle Rectangle

Size of contamination hot-spot to be detected:

Shape of hot-spot (circle one): Circle Elliptical Elongated-Elliptical

Required Grid Spacing:

Acceptable probability of missing hot-spot (circle one): 5 % 10 % 20% 40%

## 3.2 Field Analysis Equipment

Field analysis equipment requirements are summarized in Table B1.

Table B1 Field Analytical Equipment							
<b>Analysis Equipment</b> Specify the field analytical procedures to be used. Select the appropriate boxes.	Model	Analyses	Matrix				
Hazcat kit		Soil/liquid					

## 3.3 Field Sampling Equipment

Field equipment requirements are summarized in Table B2.

Table B2 Field Sampling and Decontamination Equipment						
Analyses and Matrix						
Solids	Trowels Sampling cups	Dedicated	NA	START		
Liquids	Drum thieves/pipettes	Dedicated	NA	START		

Add additional pages if necessary.

#### **3.4** Field Methods and Procedures

**3.4.1 Sample Locations.** Indicate the sampling location name, describe location, and indicate rationale for each sample location chosen.

#### **ERS/START**

**Emergency and Time Critical QASP Soil, Water and Miscellaneous Matrix** 

Soil	sampling l	locations	will be	determined	by the	EPA	once in	the	field	•

Add additional pages if necessary.

Sketch a map of the site and any areas of concern. Indicate sampling locations or sampling areas in Figure A and included names. Use a scale that is meaningful for the sampling work covered under this plan. Sketch out where the samples will be collected and include sampling location names. Attach a local map to this plan if it is available.

## **ERS/START**

Figure A Sample Location Map
See attached Site Figure 1

Add additional maps if necessary.

#### 3.4.2 Sample Labeling and Documentation

#### Sample Jar Labels

Sample labels will clearly identify the particular sample and should include the following:

- 1. Site name
- 2. Time and date samples were taken
- 3. Sample preservation
- 4. Analysis requested
- 5. Sample location and/or identification number

Sample labels will be securely affixed to the sample container.

#### Chain of Custody Record

A chain of custody record will be maintained from the time the sample is taken to its final deposition. Every transfer of custody must be noted and signed for, and a copy of this record kept by each individual who has signed. When samples (or groups of samples) are not under direct control of the individual responsible for them, they must be stored in a secured container sealed with a custody seal.

The chain of custody record should include (at minimum) the following:

- 1. Sample identification number
- 2. Sample information
- 3. Sample location
- 4. Sample date and time
- 5. Names(s) and signature(s) of sampler(s)
- 6. Signature(s) of any individual(s) with control over samples

#### **Custody Seals**

Custody seals demonstrate that a sample container has not been tampered with or opened. The individual in possession of the sample(s) will sign and date the seal, affixing it in such a manner that the container cannot be opened without breaking the seal. The name of this individual, along with a description of the samples= packaging, should be noted in the field book.

All sample documents will be completed legibly in ink. Any corrections or revisions will be made by lining through the incorrect entry and by initialing the error. These include the logbooks, the chain of custody forms, this field QASP and any other tracking forms.

#### Field Logbook

The field logbook is essentially a descriptive notebook detailing site activities and observations so that an accurate account of field procedures can be reconstructed in the writer's absence. All entries will be dated and signed by the individuals making the entries and will include the following:

- 1. Site name and project number
- 2. Names of sampling personnel
- 3. Dates and times of all entries (military time preferred)
- 4. Descriptions of all site activities, especially sampling start and ending times. Include site entry and exit times
- 5. Noteworthy events and discussions
- 6. Weather conditions
- 7. Site observations
- 8. Identification and description of samples and locations
- 9. Subcontractor information and names of on-site personnel
- 10. Date and time of sample collections, along with chain of custody information
- 11. Record of photographs
- 12. Site sketches
- 13. Exact times of various activities and occurrences related to sampling
- 14. Deviations from standard procedures or methods and the rational for the deviations.

#### 3.4.3 Sample Containers and Preservatives

Containers and preservatives are summarized in Table C.

Table C Containers and Preservatives					
Analyses and Matrix	Holding Time				
Soil- metals	1 x 8 oz.	ice			
Soil - Semivols	same	same			
Liquids – flash point	1 x 4 oz jar	None			

Add additional pages if necessary.

#### 3.5 Analytical Methods and Procedures

The analytical methods per sample and sample location are presented in Table D. General field QC considerations and requirements are presented in Table E.

## **Emergency and Time Critical QASP Soil, Water and Miscellaneous Matrix**

#### Table D **Sample Locations and Data Objective Summary** Sampling Locations and Identifiers should correspond to location indicated on Figure A **Sample** Location(s) ( should match Samples **Analytical Method Data Use Objective(s) Data Category** with 3.3.1 and **Sample Identifiers** Matrix Figure A) Refer to Table A Refer to Section 2.1 Refer to Section 2.3 MX-1+ All See Table A See Section 2.1 See Section 2.3 ΑII

Add additional pages if necessary.

#### **Quality Assurance and Quality Control** 3.6

General field QA/QC considerations and requirements are presented in Table E.

Table E Quality Control Samples and Data Quality Indicator Goals					
QC Sample	Number/Frequency	Data Quality Indicator Goals & Evaluation Criteria	Comments/Exceptions  Site specific remarks:		
	FIELD SPECIF	TIED QA/QC			
Background or reference sample	At least one sample should be collected from an area believed to be unaffected by source contamination.	Source samples should be at least 3 times background.	Surface soil: up-slope. Surface water: upstream. Ground water: up-gradient.		
Field Blanks	1 per SDG <sup>1</sup> , per matrix, per method	Source samples should be at least 3 times the blank.	: Water only.		
Travel Blanks	1 per SDG, per matrix, per method	Source samples should be at	Volatile analytes, water only.		
		least 3 times the blank.	Not applicable		
Equipment Blanks	1 per SDG, per matrix, per method	Source samples should be at least 3 times the blank.	Only when the use of decontaminated non-dedicated equipment is involved.		
Field Duplicates or Replicates	1 per SDG, per matrix, per method	Water - 25% RPD <sup>2</sup> Soil - 35% RPD <sup>2</sup>	As needed by sampling objectives. The procedure for collecting duplicate samples can greatly effect the reproducibility.		
		Other - 35%			
Performance Standards	1 per project, per matrix, per method	75 -125 %R <sup>3</sup>	If available.		
			:		
	SELECTED LABOR	RATORY QA/AC			
Method Blank	1 per SDG, per matrix, per method	Stds and samples should be at least 3 times the blank.	Mandatory.		
Matrix Spike	1 per SDG, per matrix, per method on field designated sample.	75 -125 %R	Designate sample on COC.		
Matrix Spike Duplicate or Replicate	1 per SDG, per matrix, per method on field designated sample.	≤50 RPD for organics; ≤20 RPD for metals	Designate sample on COC.		
Reference Standards	1 per SDG, per matrix, per method	75 -125 %R	If available.		
Internal Standards	All samples	50 -200 %R	All GC/MS and some GC analyses only.		
Laboratory Control Standards	1 per SDG, per matrix, per method	75 - 125 %R	Per method for organic analyses.		

SDG = Sample Delivery Group (Maximum 20 samples)
 RPD = Relative Percent Difference

<sup>&</sup>lt;sup>3</sup> %R = Percent Recovery

## 4.0 Project Organization and Responsibilities

## 4.1 Schedule of Sampling Activities

Sampling activities are summarized in Table F.

Table F Proposed Schedule of Work For Sampling Activities					
Activity Start Date End Date					
Soil/liquid sampling:	1-11-08	1-11-08			

Add additional pages if necessary.

## 4.2 Project Laboratories

Laboratories used for this project are summarized in Table G.

Table G Laboratories			
Lab Name/ Location	Methods		
EMAX	all		

Add additional pages if necessary.

#### 4.3 Project Personnel and Responsibilities

Personnel and responsibilities are summarized in Table H.

Table H Sample Team(s) Personnel			
Responsibility			
Sampler			
Sampler			

Add additional pages if necessary.

## **4.4** Modification or Additions to the Generic Data Quality Objective for Emergency and Time Critical Sampling

Project specific modification to the generic DQO statements for this are summarized in Table I. Also indicate which DQO step corresponds to the addition or modification.

Table I  DQO Modifications and Additions		
Additions or Modifications to the Generic DQO Output Statements	DQO Step	

Add additional pages if necessary.

## EPA Emergency Response Section (ERS) And Superfund Technical Assessment and Response Team (START)

## Emergency Response and Time Critical Quality Assurance Sampling Plan For Soil, Water and Miscellaneous Matrix Sampling

Response Location: Mushroom Express, San Diego County, California			
TDD: TO1-09-08-01-0001			
Date: July 22, 2008			
Prepared by: Mike Schwennesen			
Reviewed by:			
Approved by:			
This sampling plan was prepared and delivered to the EPA OSC (select one):			
X Prior to Sampling    Post Sampling (within one month of sampling)			

This emergency sampling plan is intended to be used in conjunction with the EPA=s Region 9
Emergency Response Section=s Generic Data Quality Objectives (DQOs) for Emergency
Responses and Time Critical Evaluations. This sampling plan has been designed to assist field responders in their preparation for collecting, analyzing, shipping, storing and handling samples collected during an emergency response. The use of this generic sampling plan will involve forethought and planning that should help direct the sampling and analytical work. It is meant to be used in the case of emergency responses or time-critical responses when sampling teams may not have the opportunity to write a more thorough sampling plan. Sampling teams should always reference standard quality procedures, standard operations procedures, standard methods for sampling and analytical guidance.

The development of this generic plan will improve the documentation, communication, planning, and overall quality associated with the sampling and analysis by:

- 1) encouraging field teams to consider their goals and objectives before the generation of environmental data,
- 2) documenting predetermined information in a standardize format,
- 3) increasing the communication between sampling personnel and decision makers, and
- 4) detailing expectations and objective before samples are collected.

1.0 Introduction and Background. Describe the site and specify the geographic boundaries for the site and any specific areas of concern. What is the problem, what precipitated the response, which agencies and other entities (e.g., contractors) are on site, who has taken the lead for the response and for environmental clean-up actions?

Mushroom Express is a burned-down warehouse on an approximately 5-acre parcel. The western end of the parcel abuts Valley Center Road. Residences abut the northern and northeastern borders of the parcel. The other borders of the parcel are adjacent to vacant land.

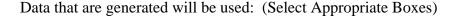
Previous sampling at the site, conducted at the request of the USEPA by a contractor for the property owner, has shown that on-site ash contains hazardous concentrations of metals.

The site is under the jurisdiction of the Rincon Indian Tribe, and the Tribe would like to ensure that the hazardous conditions at the site be mitigated. The USEPA has offered to assist with the site mitigation. To assist with site mitigation, the USEPA and the START plan to visit the site on July 29, 2008 to cover visible ash with tarps and to potentially collect additional ash samples.

**2.0 Objectives.** Brief statement on the general project objective. What is the overall goal or objective? Specific objectives are summarized in Table D.

Collect samples using adequate sampling methodology and analytical method to provided definitive data. The data will be used to determine contaminated ash volumes and disposal options.

### **2.1 Data Use Objectives.** (How will the data be used?)



- To be compared with a background or reference sample(s).
- 2 To be compared with an available detection or quantification level.
- 3 X To assist in determining the presence or absence of a hazardous material or substance at levels above an available detection or quantification level.
- 4 X To assist with determining the area of impact due to a hazardous material release. (i.e., horizontal and lateral extent).
- 5 X To be compared with site-specific action levels or risk-based action levels (e.g., EPA PRGs) to assist in determination if health threats exist.
- 6 As definitive confirmatory data for confirmation of non-definitive (screening) data.
- 7 Other objectives:

#### **2.2 Sampling Objectives.** (What are you proposing to do?)

- Sampling to determine only the presence or absence of a hazardous substance within the area of concern.
- 2 X Sampling to estimate:
  - X contamination levels within the area of concern.
  - \_\_ contamination area(s) within a site.
- 3 Sampling to determine the location of hot spots within the area of concern..
- 4 X Surface soil sampling to estimate the lateral extent of contamination
  - \_X\_ of specific source area(s) or areas of concern
  - \_\_ over entire site
- 5 Sub-surface sampling to estimate the vertical extent of contamination
  - \_\_ of specific source area(s) or areas of concern
  - over entire site.
- 6 Sampling off site to determine:

## 2.3 Sample Matrices

1 X Surface soils

2 Subsurface soil

Depth(s): to be determined

3 Surface water

4 Groundwater Depth(s):

5 Other aqueous matrices

Please specify:

6 Wipe samples

7 Biota

Please specify:

8 Other matrices:

Please note: Please use other QASPs for air and containerized samples.

### 2.4 Data Type

In general, data type and data needs should be decided prior to data generation. The data can be generally divided into three categories: definitive methodology data (generally data generated using standardize methods), non-definitive methodology data (also referred to as screening data) and screening data with at least 10% definitive conformation. The generation of definitive data is preferable, however in emergency and time critical situations where definitive data is not available, non-definitive data should be generated. Note that the data type is not an indicator of precision, accuracy or documentation completeness, or quality! Reported data should be verified (by a party other than the laboratory) as meeting specific quality control and data category requirements by following a verification or validation procedure. Refer to the START or ERS Quality Assurance Plans for specific quality parameters and requirements.

#### Check appropriate box(es):

- Screening data will be generated. The data by itself may not be verifiable. **Due to the** time critical situation, the data must be reported and may be used to make decisions.
- Screening data with at least 10 percent definitive data will be generated. Data using non-definitive analytical methodologies will be generated. Due to the time critical situation, the data must be reported and may be used to make decisions prior to generation of definitive data. The screening data by itself may not be verifiable.

Screening data will be evaluated and reported with definitive data at a later time.

- 2b Screening data with 10 percent definitive data will be generated. Data using nondefinitive analytical methodologies will be generated. Data will not be reported until it is evaluated against definitive data.
- Definitive data will be generated. The sampling and analysis must be done on an emergency basis. Due to the time critical situation, the preliminarily data must be reported and used for comparison without validation. Analytical data packages will be required. However, since the data was not used or intended for decision making, validation of the data package will not be performed. (Document generic DQO deviation in Section 4.4)
- 3b X <u>Definitive data will be generated</u>. The sampling must be done on an emergency basis. **Due to the time critical situation, preliminary data must be reported and may be used to make decisions without validation. The generated analytical documentation packages will be reviewed and validated. Qualified data will be reported after validation.**
- 3c <u>Definitive data will be generated</u>. Full documentation will be required. Analytical data packages will be reviewed and validated prior to reporting.

#### 2.5 Contaminants of Concern

Potential contaminants of potential concern (COPC), proposed analytical method, proposed action levels and available reporting limit are summarized in Table A.

Table A Contaminants of Concern				
Potential COC	Potential COC Proposed Analytical Method		Available Reporting Limit	
Total metals	EPA Method 6010B/7471A	CA TTLC	0.1-10 mg/Kg	
Other Data Collection Activity (non-chemical)	GPS Visual		gnetometer	
(circle all that apply)	Geophysical Modeling	<b>Photography</b>	File Search	

Add additional pages if necessary.

## 3.0 Approach and Sampling Methodologies

#### 3.1 Sampling Approach

Indicate sampling approaches to be used (select approach)

Due to the lack of site information the approach will be determined in the field based on

#### **ERS/START**

professional judgment of START and USEPA.

- 2 Due to the lack of site information the approach will be determined in the field based on professional judgment of US EPA.
- Due to the lack of site information the approach will be determined in the field based on professional judgment of local regulator.
- 4 X Judgmental (Biased)
- 5 Random
- 6 Systematic
- 7 Transects
- 8 Search-Grid

If a <u>search-grid</u>, specify grid type (underline one): Square Triangle Rectangle

Size of contamination hot-spot to be detected:

Shape of hot-spot (circle one): Circle Elliptical Elongated-Elliptical

Required Grid Spacing:

Acceptable probability of missing hot-spot (circle one): 5 % 10 % 20% 40%

## 3.2 Field Analysis Equipment

Field analysis equipment requirements are summarized in Table B1.

Table B1 Field Analytical Equipment			
<b>Analysis Equipment</b> Specify the field analytical procedures to be used. Select the appropriate boxes.	Model	Analyses	Matrix

## 3.3 Field Sampling Equipment

Field equipment requirements are summarized in Table B2.

Table B2 Field Sampling and Decontamination Equipment				
Analyses and Matrix	Sampling Equipment	Dedicated or Reusable	Decontamination Solution	Resource/ Contractor
Soil/ash	Trowels Sample jars	Dedicated	NA	START

Add additional pages if necessary.

#### **3.4** Field Methods and Procedures

**3.4.1 Sample Locations.** Indicate the sampling location name, describe location, and indicate rationale for each sample location chosen.

#### **ERS/START**

**Emergency and Time Critical QASP Soil, Water and Miscellaneous Matrix** 

Soil sampling locations will be determined by the EPA once in	the field.
---	------------

Add additional pages if necessary.

Sketch a map of the site and any areas of concern. Indicate sampling locations or sampling areas in Figure A and included names. Use a scale that is meaningful for the sampling work covered under this plan. Sketch out where the samples will be collected and include sampling location names. Attach a local map to this plan if it is available.

## **ERS/START**

Figure A Sample Location Map
See attached Site Figure 1

Add additional maps if necessary.

#### 3.4.2 Sample Labeling and Documentation

#### Sample Jar Labels

Sample labels will clearly identify the particular sample and should include the following:

- 1. Site name
- 2. Time and date samples were taken
- 3. Sample preservation
- 4. Analysis requested
- 5. Sample location and/or identification number

Sample labels will be securely affixed to the sample container.

#### Chain of Custody Record

A chain of custody record will be maintained from the time the sample is taken to its final deposition. Every transfer of custody must be noted and signed for, and a copy of this record kept by each individual who has signed. When samples (or groups of samples) are not under direct control of the individual responsible for them, they must be stored in a secured container sealed with a custody seal.

The chain of custody record should include (at minimum) the following:

- 1. Sample identification number
- 2. Sample information
- 3. Sample location
- 4. Sample date and time
- 5. Names(s) and signature(s) of sampler(s)
- 6. Signature(s) of any individual(s) with control over samples

#### **Custody Seals**

Custody seals demonstrate that a sample container has not been tampered with or opened. The individual in possession of the sample(s) will sign and date the seal, affixing it in such a manner that the container cannot be opened without breaking the seal. The name of this individual, along with a description of the samples= packaging, should be noted in the field book.

All sample documents will be completed legibly in ink. Any corrections or revisions will be made by lining through the incorrect entry and by initialing the error. These include the logbooks, the chain of custody forms, this field QASP and any other tracking forms.

#### Field Logbook

The field logbook is essentially a descriptive notebook detailing site activities and observations so that an accurate account of field procedures can be reconstructed in the writer's absence. All entries will be dated and signed by the individuals making the entries and will include the following:

- 1. Site name and project number
- 2. Names of sampling personnel
- 3. Dates and times of all entries (military time preferred)
- 4. Descriptions of all site activities, especially sampling start and ending times. Include site entry and exit times
- 5. Noteworthy events and discussions
- 6. Weather conditions
- 7. Site observations
- 8. Identification and description of samples and locations
- 9. Subcontractor information and names of on-site personnel
- 10. Date and time of sample collections, along with chain of custody information
- 11. Record of photographs
- 12. Site sketches
- 13. Exact times of various activities and occurrences related to sampling
- 14. Deviations from standard procedures or methods and the rational for the deviations.

#### 3.4.3 Sample Containers and Preservatives

Containers and preservatives are summarized in Table C.

Table C Containers and Preservatives				
Analyses and Matrix	Container Type (per sample)	Preservation Method	Holding Time	
Soil- metals	1 x 4 oz.	ice		

Add additional pages if necessary.

#### 3.5 Analytical Methods and Procedures

The analytical methods per sample and sample location are presented in Table D. General field QC considerations and requirements are presented in Table E.

# **Emergency and Time Critical QASP Soil, Water and Miscellaneous Matrix**

#### Table D **Sample Locations and Data Objective Summary** Sampling Locations and Identifiers should correspond to location indicated on Figure A **Sample** Location(s) ( should match Samples **Analytical Method Data Use Objective(s) Data Category** with 3.3.1 and **Sample Identifiers** Matrix Figure A) Refer to Table A Refer to Section 2.1 Refer to Section 2.3 MX-1+ All See Table A See Section 2.1 See Section 2.3 ΑII

Add additional pages if necessary.

#### **Quality Assurance and Quality Control** 3.6

General field QA/QC considerations and requirements are presented in Table E.

Table E Quality Control Samples and Data Quality Indicator Goals				
QC Sample	Number/Frequency	Data Quality Indicator Goals & Evaluation Criteria	Comments/Exceptions  Site specific remarks:	
	FIELD SPECIF	FIED QA/QC		
Background or reference sample	At least one sample should be collected from an area believed to be unaffected by source contamination.	Source samples should be at least 3 times background.	Surface soil: up-slope. Surface water: upstream. Ground water: up-gradient.	
			None	
Field Blanks	1 per SDG <sup>1</sup> , per matrix, per method	Source samples should be at least 3 times the blank.	Water only.	
		least 5 times the blank.	N/A	
Travel Blanks	1 per SDG, per matrix, per method	Source samples should be at least 3 times the blank.	Volatile analytes, water only.	
		least 5 times the blank.	N/A	
Equipment Blanks	1 per SDG, per matrix, per method	Source samples should be at least 3 times the blank.	Only when the use of decontaminated non-dedicated equipment is involved.	
			N/A	
Field Duplicates or Replicates	1 per SDG, per matrix, per method	Water - 25% RPD <sup>2</sup> Soil - 35% RPD <sup>2</sup>	As needed by sampling objectives. The procedure for collecting duplicate samples can greatly effect the reproducibility.	
		Other - 35%	One duplicate may be collected	
Performance Standards	1 per project, per matrix, per method	75 -125 %R <sup>3</sup>	If available.	
			Not required	
	SELECTED LABOR	RATORY QA/AC		
Method Blank	1 per SDG, per matrix, per method	Stds and samples should be at least 3 times the blank.	Mandatory.	
Matrix Spike	1 per SDG, per matrix, per method on field designated sample.	75 -125 %R	Designate sample on COC.	
Matrix Spike Duplicate or Replicate	1 per SDG, per matrix, per method on field designated sample.	≤50 RPD for organics; ≤20 RPD for metals	Designate sample on COC.	
Reference Standards	1 per SDG, per matrix, per method	75 -125 %R	If available.	
Internal Standards	All samples	50 -200 %R	All GC/MS and some GC analyses only.	
Laboratory Control Standards	1 per SDG, per matrix, per method	75 - 125 %R	Per method for organic analyses.	

SDG = Sample Delivery Group (Maximum 20 samples)
 RPD = Relative Percent Difference

<sup>&</sup>lt;sup>3</sup> %R = Percent Recovery

#### 4.0 Project Organization and Responsibilities

#### 4.1 Schedule of Sampling Activities

Sampling activities are summarized in Table F.

Table F Proposed Schedule of Work For Sampling Activities					
Activity Start Date End Date					
Soil/ash sampling	7/29/08	7/29/08			

Add additional pages if necessary.

#### 4.2 Project Laboratories

Laboratories used for this project are summarized in Table G.

Table G Laboratories			
Lab Name/ Location	Methods		
Ye Myint EMAX Laboratories, Inc. 1835 W. 205 <sup>th</sup> Street Torrance, CA 90501 Phone: (310) 618-8889	all		

Add additional pages if necessary.

#### 4.3 Project Personnel and Responsibilities

Personnel and responsibilities are summarized in Table H.

Table H Sample Team(s) Personnel			
Personnel (Agency)	Responsibility		
Mike Schwennesen	Sampler		

Add additional pages if necessary.

# **4.4** Modification or Additions to the Generic Data Quality Objective for Emergency and Time Critical Sampling

Project specific modification to the generic DQO statements for this are summarized in Table I. Also indicate which DQO step corresponds to the addition or modification.

Table I DQO Modifications and Additions			
Additions or Modifications to the Generic DQO Output Statements	DQO Step		

Add additional pages if necessary.

## Attachment 2 Marc Boogay Sampling Plan

### **SAMPLING PLAN**

# 33777 Valley Center Road Valley Center, California

CLIENT: Marvin Donius

33777 Valley Center Road Valley Center, CA 92028

PREPARED BY:

Marc Boogay

Consulting Engineer 326 Main Street Vista, California 92084

DATE:

Revised, May 12, 2008

2

PROJECT NUMBER:

08-0311

IMPORTANT NOTICE:

This report is confidential. It may not be read or relied

upon, except by the Client and U.S. EPA.

#### **ABSTRACT**

The property identified by the address 33777 Valley Center Road in Valley Center, California (the "site") had been in use as a mushroom farm, as well as being occupied by several other tenants that included a citrus packer and a tow yard. In October of 2007, fire destroyed all onsite buildings as well as most else located onsite including several cars in the paved tow yard, several trucks parked in an unpaved lot, several aboveground tanks (one containing diesel fuel), and an area used as a secondary containment for waste oil drums. Remaining building materials and destroyed vehicles are currently being demolished and removed from the subject site.

This sampling plan will address the possibility of impact to underlying soil and groundwater from possible releases of diesel fuel from a burst aboveground diesel fuel tank, possible release from a secondary containment area used for waste oil, possible release that may have occurred beneath burning vehicles, water quality in an onsite groundwater production well, and layout of onsite wastewater disposal systems.

This plan provides for near-surface soil sampling in several areas, composite samples of burn ash, sampling of groundwater produced by the onsite well, and identification of areas used by the onsite wastewater treatment system.

#### SIGNATURE

This sampling plan was completed by me or under my direction.

Marc Boogay
California Registered Environmental Assessor No. 478

May 12, 2008



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#### **APPENDICES**

APPENDIX I MAP OF SUBJECT SITE (HIGHLIGHTING AREAS OF INTEREST)

APPENDIX II SUBJECT SITE PHOTOGRAPHS

APPENDIX III LABORATORY CERTIFICATION DOCUMENT

APPENDIX IV SCHEDULE FOR SAMPLE CONTAINERS, HOLDING TIMES, AND DETECTION LIMITS

7.

#### 1.0 AUTHORIZATION

This Sampling Plan is prepared in accordance with a contract between Marvin Donius (the "Client") and Marc Boogay Consulting Engineer (MBCE), dated on March 20, 2008. Work concerned the property identified by the address 33777 Valley Center Road in Valley Center, California (the "site"), located on the Rincon Indian Reservation.

#### 2.0 OBJECTIVE AND APPROACH

The subject site comprises an approximately 3-acre area, comprised of both paved and unpaved areas. It had previously included several buildings used for the cultivation of mushrooms, as well as several above-ground tanks, a paved parking lot in use by a towing company, an unpaved area used for parking trucks and RVs, as well as additional areas. All structures were destroyed by fire; most are now demolished, and most burned remains await removal.

The objective of this sampling plan is to guide progress toward environmental site assessment of the subject site, especially as regards fire-related release. It includes description of sampling and analyses for shallow soil beneath areas of (suspected) released petroleum hydrocarbons, sampling and analysis of burn ash, assessment of water quality from an onsite production well, and assessment of location and extent of onsite wastewater system(s), i.e., septic tank(s) and percolation field(s).

#### 3.0 BACKGROUND

For purposes of this report, directions along Valley Center Road will be cited as "north" and "south," with perpendicular directions referred to as "east" and "west." The subject site was on the east side of Valley Center Road, in an area by reservation land, including the *Harrah's Rincon Casino and Resort*, as well as private residential land.

Several tenants occupied the subject site prior to the October 2007 fire; these included *Mushroom Express, Automotive Specialists* (a towing company), a citrus packer, a lawn care company, a security company using part of the site for parked trailers, and two residential apartments. At the time of the visit conducted in relation to this study, some tenants had recently begun to resume limited operations onsite, mostly parking/storage-related usages.

#### 3.1 The Subject Site Prior to the October 2007 Fire

The site was the subject of a 2007 Phase I <sup>1</sup>, in which the exterior site was described as follows:

The buildings were located near the center of the subject site lot, which was paved mostly in asphaltic concrete (AC). A driveway from Valley Center Drive ran near the west center side of the subject site lot. A chain-link fence surrounded the subject site on

<sup>&</sup>quot;Phase I Environmental Site Assessment 33777 Valley Center Road in Valley Center, California, Marc Boogay Consulting Engineer, August 16, 2007.

all sides. Immediately west of the buildings, just off of Valley Center Drive, was a vacant area that appeared to be used for general parking. Cover plates at grade were noted near the northwest corner of the southern building; these were said to be access-ways to one or more septic tanks.

At the southwest corner of the subject site was a trailer in use as an office for Automotive Specialists, a tenant of the subject site. The southeast corner of the subject site was separately fenced and said to be subleased to a tow yard for Automotive Specialists. This lot was paved in Portland cement concrete (PCC) and was occupied by parked cars, many of which were collision-damaged. Near the west end of this yard was a fenced dog enclosure and an unlabeled drum. Along the south wall of the southern building, immediately north of the vehicle yard, were several large piles of flattened cardboard boxes.

The area between the two concrete buildings was paved in PCC and appeared to be in use for miscellaneous storage. Stacks of boxes and crates were located along the sides of both buildings, a forklift, and several unused air conditioning units, an unused water softener tank, and two larger tanks were here. One of these tanks was 1000-gallon in size and was said to have been an onsite, in-ground gasoline tank; another was described an unused diesel fuel tank. A grade-mounted transformer was at the west end of this area.

The area immediately north of the buildings was also paved in PCC, and then sloped downhill. Here were stacks of pallets, piles of metal parts and scrap, and miscellaneous storage.

Downhill from this paved area, the remaining northern portion of the subject site was unpaved. This area was mostly covered with parked trucks, most of them owned by Mushroom Express. Several trailers were parked near the northwest corner of this lot. Two large autoclaves were near the north center portion of the subject site, as were piping, metal sheeting and scrap, lumber piles, tires, sheet-metal, and unused storage containers.

At the northeast corner of the subject site property was a separately fenced 1-acre lot. This was occupied by a lawn care company and consisted mostly of vacant, graded land. Piles of soil/gravel and a small bulldozer were also here.

Along the east side of the subject site, behind the buildings, was an unpaved area. A small wooden hut housed a water well and associated equipment. Additional crates, boxes, and packing materials were stored nearby. An aboveground tank was located along the east side of the subject site, in concrete block saddles. This held diesel fuel and was in use. Pavement beneath the tank appeared intact, and a small amount of stained soil was noted alongside the dispenser.

A shed was located immediately south of the aboveground tank; this was inaccessible. On the south side of the shed was a concrete block secondary enclosure holding drums of waste oil. A small water heater associated with a hand washing station adjoined this. Minor staining of PCC pavement near the secondary containment was noted.

On the east end of the southern concrete building was an overhead shade covering a large fruit-packing apparatus, consisting of conveyor belts, chutes, and a cleaning apparatus for fruit (a "dry brush bed"). No liquids or chemicals were observed in association with this operation. Ladders, boxes, and related materials were stored against the east side of the main building, below the packing apparatus.

Typical utilities were observed on or adjacent to the site. These included water, electricity and natural gas, and telephone. Overhead power lines were observed along the Valley Center Road.

The site's electricity/natural gas was provided by San Diego Gas & Electric and the water was provided to the site by the Valley Center Municipal Water District. The subject site was noted to have a septic tank and onsite wastewater disposal system, evidently for sink/toilet wastewater flows only.

It has also been reported that a sump exists at the site in the main corridor between buildings. This was described as a vault without piping, used for collection of runoff for reuse elsewhere on site.

#### 3.2 The Subject Site Subsequent to the October 2007 Fire

Subsequent to the October 2007 fire, the subject site appeared unchanged except for vast fire damage. The center area, where building had been located, comprised piles of concrete and metal rubble and scrap. Some of this was sorted and arranged in organized piles; other areas appeared not to have been sorted.

The southeast corner of the subject site, which had been the location of the towing yard, was still paved, and a number of cars were observed here. Several cars had been completely destroyed by the fires and materials from these vehicles were noted on the pavement. Condition of the pavement appeared relatively intact; no very large cracks or areas where penetrations of automotive contaminants were likely to have seeped through asphalt materials were noted. At the northeast corner of this paved area was the area used as a secondary containment for drums of waste oil. This area had also been damaged by fire, and it appeared that all oily products here had been burnt away. Small, residual amounts of waste oil mixed with water, etc. were observed in drums here.

The aboveground diesel fuel storage tank along the east edge of the subject site was severely damaged. This had exploded in the fire and no fuel remained. An explosion caused by the fire appeared to have blown off the south end-plate of the tank (a horizontal cylinder) and to have moved the entire tank ca. 1.5-feet north of its original location in the concrete saddle. Pavement was noted beneath the associated dispenser; however, areas beneath the tank and within a few feet were unpaved.

The wooden hut/shed structure that had previously surrounded the existing onsite water well had been destroyed; however the main elements of the well and its associated piping appeared undamaged.

On the north side of the subject site, immediately north of the paved area that was the previous location of the onsite buildings, was an area where several large trucks had been parked. These were also seriously damaged in the fire, and the area had dark ash on the ground. The remains of the trucks and been removed, and the top layer of soil appeared to have been raked

over. Small piles of ash and related remnants of the fire were observed in this general area and across the entire site.

#### 4.0 PROPOSED SOIL SAMPLING PROCEDURES AND OBSERVATIONS

#### .4.1 Contaminants of Concern

Soil in the area around the burst diesel fuel tank is suspected of having impact from diesel fuel.

Soil in the area of fire-damaged vehicles parked over an unpaved area is suspected of having impact by petroleum hydrocarbons in the diesel fuel and gasoline ranges and by heavier hydrocarbons, e.g., motor or hydraulic oils.

Soil in the area around the secondary containment area used for waste oil is suspected of having impact from waste oil, i.e., motor or hydraulic oils.

Burn-ash is suspected of containing elevated levels of metals, e.g., heavy metals including copper, zinc, chrome, etc.

Water is suspected of having impact by components of petroleum hydrocarbons, viz., fuels and lubricants. This sample is also to be analyzed for most typical inorganic analytes as listed in Table 64431-A of the California Safe Drinking Water Act & Related Laws and Regulations <sup>2</sup>, as well as for the VOCs/SOCs listed in Table 64444-A of the same document.

Petroleum products are suspected in any sludge or runoff as may have collected in the sump centrally located between site buildings.

#### 4.2 Proposed Sampling Locations

At each soil sample location, specimens will be taken from near-surface (ca. 0.5-feet deep) and shallow (1-to-2-foot deep) soil. Location selection will be biased by apparent staining or odors or on lowest area. Where no basis for such bias exists, soil samples shall be taken as noted below. A deeper (ca. 3-4-foot) soil sample will be taken at each location if petroleum-product is detected in soil vapor from the 1-to-2-foot deep sample. Sampled materials shall be as follows:

- 1- Soil from the unpaved area alongside a secondary containment structure for waste oil (located along the east side of the subject site, near the northeast corner of the lot previously used by the towing company). If no basis for location selection bias exists, select two locations randomly about one foot from the north and south corners of the containment.
- 2- Soil from unpaved areas beneath and alongside the aboveground storage tank (used for diesel fuel), located near the center of the east side of the subject site. If no basis for location selection bias exists, select three locations at 25-, 50-, and 75-percent points along the area's longest dimension. Samples will be taken from near-surface (ca. 0.5-feet deep) and shallow (1-to-2-foot deep) soil.
- 3- Soil from the unpaved area immediately north of the paved center of the subject site and the previously existing buildings, where several vehicles were destroyed by fire and

California Regulations Related to Drinking Water, from Title 22 California Code of Regulations, California Safe Drinking Water Act & Related Laws and Regulations:" last updated October 11, 2007.

where ash and darkened soil was observed. Four locations will be selected for shallow (1-to-2-foot deep) samples here. Each will be from a random part of a selected grid element.

- 4- Water from the onsite water production well will be sampled.
- 5- Two composite samples will be taken of burn-ash. One will be taken from several locations on the west side of the subject site, and another will be similarly taken from the east side.
- 6- The sump is to be checked for condition and content. Any liquid or semi-liquid seen in the sump is to be sampled and analyzed for petroleum product content.

#### 4.3 Sampling Equipment and Procedures

#### Field Equipment

Soil sampling will be performed by use of a hand-held, low-powered soil-drill with a 3-inch diameter auger until the target depth is reached. A 2-inch diameter hand-auger will also be available on the site. A slide-hammer driven sampler with a removable stainless steel liner will be used to acquire the samples. A spade and several new trowels will be on hand at the site. Quart-sized polyethylene bags with zipper-locked closures will be on hand for further enclosing samples and for the onsite soil vapor assessment.

A flame- or photo-ionization detector shall be used to screen vapor assessment samples noted above.

Burn-ash will be sampled by grabbing material directly from paved or unpaved surfaces. Only glass jars (ca. 200-ml) will be necessary for this work.

Water sampling will be done directly from the onsite well using a portable power supply (if/as necessary) and glass bottles and vials provided by the laboratory. Portable, hand-held meters for temperature, conductivity, and pH are to be on hand.

#### Field Methods and QC/QA

The soil sampling will involve drilling to target depths by use of a hand-held, powered soil-drill. A slide-hammer will be used to drive a soil sampling device with a removable stainless steel liner to acquire the samples. Polyethylene caps will be placed on the sample liner, which will then serve as the sample container.

Soil sample tubes or jars will then be closed by Teflon sheet stretched across the sampler's open end and held in place by threaded, polyethylene caps. In the event soils are too non-cohesive, the hole shall be enlarged as needed (e.g., by a spade) and undisturbed soil shall be cut from the sidewall and moved directly into glass jars (ca. 200-ml). At locations for deeper samples, additional soil shall be taken by the sampling device into a bag for onsite vapor assessment; where this is deemed to indicate significant impact at depth, drilling/sampling will be attempted at greater (ca. 3-4-feet) depth.

The procedure for head space sampling shall be as follows:

- 1. Obtain soil to fill a quart-sized plastic bag about 1-inch deep across its bottom fold.
- 2. Close the bag with deliberate attempt to include ambient air.
- 3. Break up the sample under hand pressure, through the bag material.
- 4. Wait 1- to 2-minutes and insert the probe of the vapor detector.
- 5. Record the level indicated.

The burn-ash sampling will be performed by scooping burn-ash residues from paved and unpaved surfaces using a clean sheet of new paper. Samples will be placed in glass jars (ca. 200-ml). Two composite samples will be taken, each from at least three separate areas. One will be made up of material taken from the east side of the site, and another from material taken from the west side.

Prior to sampling of the onsite groundwater well a portable, electric depth-measuring device shall be used to sound the well depth. Sampling shall be by directly holding an open sampling vessels beneath the adjoining open valve. The well will be run for at least 5-minutes prior to sampling to ensure purging of water in the well and that the sample is representative of water in the soil formation. Two water specimens will be taken. The site owner has been instructed not to run the well, to allow valid pre- and post-purge samplings.

The procedure for well sampling shall be as follows:

- 1. Sound the well for groundwater depth.
- 2. Note the time, and energize well pump with completely open-pipe flow. Immediately take a pre-purge sample.
- 3. Note temperature, conductivity, and pH.
- 4. Well-purging: A 5-gallon graduated bucket and a watch shall be used to assess the well pump flow rate with hose attached for disposal of pumped water to an onsite septic system. Water in excess of three-times the well volume <sup>3</sup> (87-gallons) shall be purged from the well. During this flow, temperature, conductivity, and pH shall be recorded to start and every five minutes.
- 5. Take a sample of post-purge groundwater. Again check temperature, conductivity, and pH, to verify these parameters are not changing by more than 10-percent of the scale reading.

Sampling of liquids or sludges in the sump shall be by dipping 40-ml vials into the vault contents; in the event its depth is too small for dipping, the contents shall be scooped by a new trowel.

All efforts will be made to limit release of volatile chemicals from the samples by filling the sample container with minimal headspace and by sealing the samples quickly and tightly, using plastic caps. Groundwater samples will be taken by use of 40-mL vials. Again all efforts will be made to limit release of volatile chemicals from the samples by filling the sample container with

The well volume has been over-estimated based on 10-inch diameter and 70-foot depth (without subtracting for volume of pumps, pipes, etc.) as follows:  $(10/12)^2 \times p/4 \times 70 \times 7.48$ gal/cf = 29-gallons.

minimal headspace and by sealing the samples quickly and tightly, using plastic caps. The composite sample will be taken in a large (1-gallon) polyethylene bag with zippered closure. Ash will be massaged into homogeneity and a composite sample transferred to a 4-oz. glass jar.

The scope of environmental risk at the site is not deemed to warrant additional expense for duplicate samples and field blanks.

#### Sample Labeling/Documentation

Samples will be immediately identified on labels to be on the sample container and further secured by placement into polyethylene bags with zip-locking closures.

#### **Logbook Maintenance**

A logbook will be kept at the site, and entries will include time, location, and observations of all material events during the course of the field work.

#### Containers/preservatives, etc.

Soil and burn ash containers will be as described above, under Field Methods and QC/QA. Containers for sampling groundwater, and preservative measures, detection limits, and holding times will be as listed in Appendix IV. All samples will be individually labeled and put into individual protective polyethylene bags with zip-locked closure; following this, each will be immediately placed within an insulated and iced cooler. Samples will be delivered by *Golden State Overnight* courier service without delay to the laboratory.

American Scientific Laboratory will be used for analysis; its certification is provided as Appendix III.

#### 4.4 Proposed Laboratory Analyses

Soil samples from the area with the burst diesel fuel tank will be analyzed for "total petroleum hydrocarbons" in the diesel fuel range using EPA Method 8015. Soil samples from the unpaved area beneath fire-damaged parked vehicles will be analyzed for "total petroleum hydrocarbons" in both gasoline and diesel fuel ranges using EPA Method 8015. Soil in the area around the waste oil storage containment would be analyzed for "total recoverable petroleum hydrocarbons" using EPA Method 418.1.

Burn-ash will be analyzed for metallic content using the sweep of TTLC-CCR Title 22 Metals (formerly the CAM 17 metals sweep), including the elements, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Ti, V, and Zn).

Groundwater will be analyzed for impact by petroleum hydrocarbons in fuel using the examinations, "total petroleum hydrocarbons" EPA Method 8015 (to include both diesel fuel and gasoline ranges), "total recoverable petroleum hydrocarbons" EPA Method 418.1 (to include hydraulic and lubricating oils), "BETX", for benzene, toluene, ethylbenzene, xylene, oxygenates, and other gasoline constituents/solvents EPA Method 8260. This sample is also to be analyzed for typical inorganic analytes as listed in Table 64431-A of the California Safe Drinking Water

Act & Related Laws and Regulations <sup>4</sup>, as well as for the VOCs/SOCs listed in Table 64444-A of the same document. Total lead shall also be analyzed.

Containers to be used and holding times and detection limits involved with the analyses are described in the table attached as Appendix IV. The laboratory's pre-printed chain-of-custody form shall be used, with sample numbers, sample container, specified analyses, and signature spaces for personnel accepting or relinquishing custody of the specimens.

#### 4.5 On-site Wastewater Disposal System Assessment

A local contractor with experience in septic system forensics will be retained to map out the percolation systems including septic tanks, "tight" lines, and percolation lines. These will be flagged in the field, and rough-surveyed so that they can be drawn onto a site plan.

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California Regulations Related to Drinking Water, from Title 22 California Code of Regulations, California Safe Drinking Water Act & Related Laws and Regulations: last updated October 11, 2007.

#### APPENDIX I MAP OF SUBJECT SITE (HIGHLIGHTING AREAS OF INTEREST)

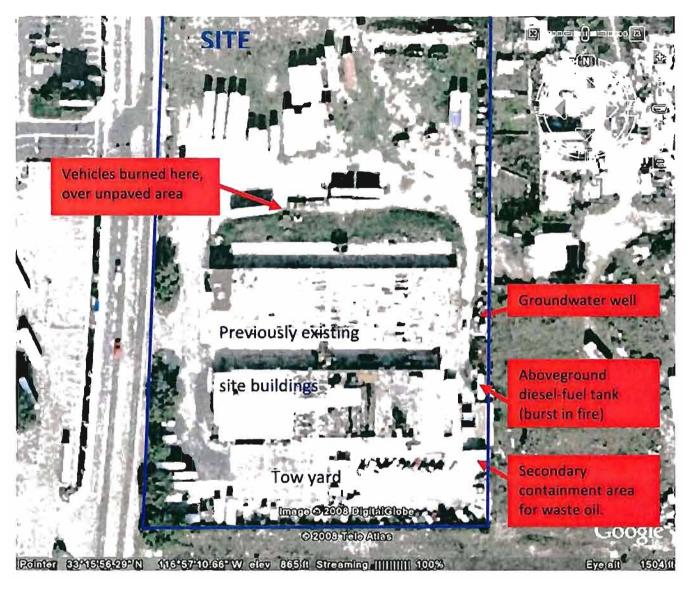


Photo Source: Google Earth 2007 Edition (from photograph prior to 2007 fire)

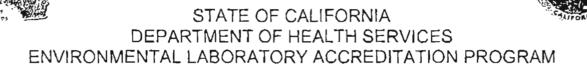


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#### APPENDIX III LABORATORY CERTIFICATION DOCUMENT

Follows this page.

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#### ENVIRONMENTAL LABORATORY CERTIFICATION

Is hereby granted to

#### AMERICAN SCIENTIFIC LABORATORIES, LLC

2520 N SAN FERNANDO ROAD LOS ANGELES, CA 90065

Scope of certification is limited to the "Accredited Fields of Testing" which accompanies this Certificate.

Continued certification status depends on successful completion of site visit, proficiency testing studies, and payment of applicable fees.

> This Certificate is granted in accordance with provisions of Section 100825, et seg. of the Health and Safety Code.

Certificate No.: 2200

Expiration Date: 01/31/2009

Effective Date: 01/01/2007

Richmond, California subject to forfeiture or revocation George C. Kulasingam,

Program Chief

. Environmental Laboratory Accreditation Program



# COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Warkman Mill Road, Whittier, CA 90601-1400 Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998 Telephone: (562) 699-7411, FAX: (562) 699-5422

www.lacsd.org

JAMES F. STAHL Chief Engineer and General Manager

March 12, 2003 Laboratory I.D. No. 10223

Rojert G. Araghi Laboratory Director American Scientific Laboratories, LLC 2520 North San Fernando Road Los Angeles, California 90065

Dear Mr. Araghi:

The County Sanitation Districts of Los Angeles County (Districts) Wastewater Ordinance specifies that all required industrial wastewater analyses be performed by a California State Certified laboratory or by a laboratory approved by the Sanitation Districts.

The Districts recognize your revised certification as an Environmental Laboratory by the State of California Department of Health Services and will accept the sample results for those analyses which you are certified to perform. The laboratory identification number appearing on this letter <u>must</u> be included on all analysis reports submitted to the Districts.

Continued recognition of your certification shall be maintained by periodic satisfactory completion of performance sample analyses, compliance with Districts' requirements and an adequate rating on any future visits by Districts' personnel. Please notify the District upon any changes of name, address, telephone number, or supervisory personnel.

If you have any questions regarding this laboratory approval, please contact David B. Whipple of the Sanitation Districts' Industrial Waste Section at extension 2909.

Very truly yours,

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Linda M. Shadler

Supervising Civil Engineer Industrial Waste Section

LMS:DBW:did Docs: 209260 5

# APPENDIX IV SCHEDULE FOR SAMPLE CONTAINERS, HOLDING TIMES, AND DETECTIN LIMITS

Follows this page.

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# Chemical Analyses per EPA Table 64431-1, Detection Limits "inorganic chemicals"

anal <b>y</b> te	<b>EPA Method</b>	detection limit
aluminum	200.8	0.19-µg/L (MOL)
antimony	200.8	0.0080-µg/L (MDL)
arsenic	200.8	0.014-µg/L (MDL)
asbestos	100.2	7 MFL
barium	200.8	0.024-µg/L (MDL)
beryllium	200.8	0.022-μg/L (MDL)
cadium	200.8	0.013-µg/L (MDL)
chromium	200.8	0.012-μg/L (MDL)
cyanide	sm4500- CN- E	0.02 mg/L (MDL)
fluoride	300	0.013-mg/L (MDL)
mercury	245.1/245.2/7470a/7471a	0.1 ug/L(MDL)
nickel	200.8	0.011 μg/L (MDL)
nitrate (as NO3)	300	0.007  mg/L
nitrate+nitrite (sum as nitrogen)	300	0.012  mg/L
nitrite (as nitrogen)	300	0.0052-µg/L (MDL)
perchlorate	314	0.45-µg/L (MDL)
selenium	200.8	0.017-μg/L (MDL)
thallium	200.8	0.020-µg/L (MDL)
added analysis: lead	200.8	0.017-µg/L (MDL)

# Chemical Analyses per EPA Table 64444-A "organic chemicals" volatile organic chemicals (VOCs)

analyte	<b>EPA Method</b>	detection limit (MDL)
benzene	524.2	0.090-µg/L
carbon tetrachloride	524.2	0.14µg/L
1,2-dichlorobenzene	524.2	0.090µg/L
1,4-dichlorobenzene	524.2	0.11-μg/L
1,1-dichloroethane	524.2	0.090-µg/L
1,2-dichloroethane	524.2	0.080-µg/L
1,1-dichloroethylene	524.2	0.08 <b>0</b> -μg/L
cis-1,2-dichloroethylene	524.2	0.080-µg/L
trans-1,2-dichloroethylene	524.2	մ/gų-0e0.0
dichloromethane	524.2	0.090-µg/L
1,2-dichloropropane	524.2	0.030-µg/L
1,3-dichloropropene	524.2	0.050-μg/L
ethylbenzene	524.2	0.13-µg/L
methyl-tert-butyl ether	524.2	0.060-µg/L
monochlorobenzene	524.2	0.090-µg/L
styrene	524.2	0.10-µg/L
1,1,2,2-tetrachloroethane	524.2	0.090-µg/l;
tetrachloroethylene	524.2	0.080-µg/Lੋ <sup>.</sup>
toluene	524.2	0.080-kg/L
1,2,4-trichlorobenzene	524.2	0.11-µg/L
1,1,1-trichloroethane	524.2	0.090-µg/L
1,1,2-trichloroethane	524.2	0.050-µg/L
trichloroethylene	524.2	0.10-µg/L
trichlorofluoromethane	524.2	0.080-µg/L
1,1,2-trichloro-1,2,2-trifluoroethane	524.2	0.090-µg/L
vinyl chloride	524.2	0.080-µg/L
xylenes	524.2	0.29-µg/L

#### non-volatile synthetic organic chemicals (SOCs)

analyte	EPA Method	detection limit(MDL)
alachlor	525.2	0.070 ug/L
atrazine	525.2	0.047 ug/L
bentazon	515.3	0.23 ug/L
benzo(a)pyrene	525.2	0.073-μ <b>g</b> /L
carbofuran	531.1	0.63-µg/L
chlordane	508	0. <b>04</b> 5-μg/L
2,4-0	515.3	0.050 -µg/L
dalapon	515.3	0.040-µg/L
dibromochloropropane	504.1	0.0030-µg/L
Bis(2-ethyl-hexyl)adipate	\$25.2	0.23-µg/L
Bis(2-ethylhexyl)phthalate	525.2	0.51-µg/L
Dinoseb	515.3	0.050-μg/L
Diquat	549.2	3.9-µg/L
endothal	548.1	5.6-µg/L
endrin	508	0.0060-µg/L
ethylene dibromíde	504.1	0.0070-μg/L
glyphosate	547	1.7-μg/L
heptachlor	508	0.0059-µg/L
heptachlor epoxide	508	0.0046-µg/L
hexachlorobenzene	508	0.0050-µg/L
hexachlorocyclopentadiene	508	0.019-μg/L
lindane	508	0.0044-µg/L
methoxychlor	508	0.0076-µg/L
molinate	507	0.051-µg/L
oxamyl	531.1	0.57-µg/L-
pentachlorophenol	515.3	0.020-μg/년
picloram	515.3	0.34-µg/L
polychlorinated biphenyls	508	0.045-0.084-µg/L
simazine	507	0.25-μg/L
thiobencarb	507	0.37-µg/L
toxaphene	508	0.23-µg/L
2,3,7,8-TCDD (dioxin)	1613b	0.10-pg/L
2,4,5-TP (silvex)	515.3	0.020-µg/L

EPA Methods to be Used
Required Containers type and size, holding times, preservatives

<b>EPA Method</b>	description	cont. type	cont. size	max. holding time	preservative
200.8/245.1	Al, Sb, As, Ba, Be,Cd,	plastic bottle	500-mL	Hg, 28 days;	ниоз
	Cr, Hg, Ni, Se, Pb, Ti			others, 6 months	
100.2	asbestos	plastic bottle	1-liter	48 Hours	Cool 4 deg C
4500-CN-E	total cyanide	glass bottle	500-mL	14 days	HOEN
300	F, NO3, NO2	plastic bottle	500-mL	48 Hours	Cool 4 deg C
314	perchlorat <del>e</del>	plastic bottle	500-mL	28 days	Cool 4 deg C
524.2	VOCs	glass vial	40-ml (x3)	14 days	HCL
504.1	EDB, DBCP	glass vial	40-mL (x3)	14 days	Cool 4 deg C
508	pesticides, PCBs	amber glass bottle	1-liter (x2)	7 days	Cool 4 deg C
515.3	chlorinated herbicides	amber glass bottle	500-mL	14 days	Coal 4 deg C
525.2-507 full list	triazines	amber glass bottle	1-liter (2)	14 days	HC T
525.2	SVOCs	amber glass bottle	1-liter (2)	14 days	HCL
531.1	carbamates	glass vial	40-ml (x3)	28 days	Cool 4 deg C
547	glyphosate	glass vial	40-ml (x3)	14 days	Cool 4 deg C
548.1	endothall	amber glass bottle	500-mL	7 days	Cool 4 deg C
549.2	diquat	plastic bottle	1-liter	7 days	Cool 4 deg C
8015 -d	TPH-diesel range	steel samp. cyl.	ca. 20-mL	7-prep,14-days ana	Cool 4 deg C
418.1	TRPH	steel samp, cyl.	ca. 20-mL	same	Cool 4 deg C
CCR tit22mets	title 22 metals	glass jar	250-mL	28, 6mo.	Cool 4 deg C
8015 -d, -g	TPH- full range	steel samp. cyl.	ca. 20-mL	same	Cool 4 deg C
1613b	dioxins (2,3,7,8-TCDD)	amber glass bottle	1-liter	28-days 💆	Cool 4 deg C

## Attachment 3 Laboratory Data Reporting Sheets START Samples Collected July 29, 2008

#### METHOD 3050B/6010B Exhibit D-5 part 1, 09EV2330BY TRACE ICP

\_\_\_\_\_ Client : URS OPERATING SERVICES Date Collected: 07/29/08 10:45
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/30/08
SDG NO. : 08G314
Date Extracted: 07/31/08 09:45
Sample ID: EPA-ASH1 Date Analyzed: 07/31/08 21:59
Lab Samp ID: G314-01 Dilution Factor: 1
Lab File ID: ID8G037091 Matrix : SOIL
Ext Btch ID: IPG092S % Moisture : 0.9
Calib. Ref.: ID8G037089 Instrument ID : EMAXTID8 \_\_\_\_\_\_ RL PARAMETERS Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper^ Lead Molybdenum Nickel Selenium Silver Thallium Vanadium

Zinc^

<sup>^ :</sup> Analyzed at DF 10 on 08/01/08 21:40 | File ID8H002032

# METHOD 3050B/6010B Exhibit D-5 part 1, 09672330BY TRACE ICP

Client : URS OPERATING SERVICES Date Collected: 07/29/08 10:50
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/30/08
SDG NO. : 08G314 Date Extracted: 07/31/08 09:45
Sample ID: EPA-ASH2 Date Analyzed: 07/31/08 22:05
Lab Samp ID: G314-02 Dilution Factor: 1
Lab File ID: ID8G037092 Matrix : SOIL
Ext Btch ID: IPG092S % Moisture : 0.8
Calib. Ref.: ID8G037089 Instrument ID : EMAXTID8

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Antimony	27.3	10.1	1.01
Arsenic	9.04	1.01	0.403
Barium	337	1.01	0.202
Beryllium	ND	1.01	0.202
Cadmium	6.01	1.01	0.101
Chromium	76.7	1.01	0.202
Cobalt	357	1.01	0.202
Copper^	5190	10.1	2.02
Lead	2020	1.01	0.202
Molybdenum	37.2	5.04	0.504
Nickel	127	1.01	0.202
Selenium	4.77	1.01	0.504
Silver	2.92	1.01	0.252
Thallium	1.97	1.01	0.504
Vanadium	17.9	1.01	0.504
Zinc^	27200	10.1	5.04

<sup>^ :</sup> Analyzed at DF 10 on 08/01/08 21:45 | File ID8H002033

#### METHOD 3050B/6010B Exhibit D-5 part 1, 09EV2330BY TRACE ICP

-----Client : URS OPERATING SERVICES Date Collected: 07/29/08 11:00
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/30/08
SDG NO. : 08G314
Date Extracted: 07/31/08 09:45
Sample ID: EPA-ASH3
Date Analyzed: 07/31/08 22:10
Lab Samp ID: G314-03
Dilution Factor: 1
Lab File ID: ID8G037093
Matrix : SOIL
Ext Btch ID: IPG092S
Ref.: ID8G037089
Instrument ID : EMAXTID8 \_\_\_\_\_\_ RL RESULTS RL (mg/kg) (mg/kg)
-----1.91J 10.1 1.01
1.88 1.01 0.404
88.6 1.01 0.202
ND 1.01 0.101
15.6 1.01 0.202
4.04 1.01 0.202
4.04 1.01 0.202
123 1.01 0.202
124 1.01 0.202
125 1.01 0.202
10.14 1.01 0.202
10.15 0.505
10.16 0.505
10.17 0.505
10.17 0.505
10.741J 1.01 0.505
5420 10.1 5.05 PARAMETERS Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium

Zinc^

<sup>^ :</sup> Analyzed at DF 10 on 08/01/08 21:50 | File ID8H002034

#### METHOD 3050B/6010B Exhibit D-5 part 1, 09EV2330BY TRACE ICP

Zinc

-----Client : URS OPERATING SERVICES Date Collected: 07/29/08 11:10
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/30/08
SDG NO. : 08G314
Date Extracted: 07/31/08 09:45
Sample ID: EPA-ASH4
Date Analyzed: 07/31/08 22:15
Lab Samp ID: G314-04
Dilution Factor: 1
Lab File ID: ID8G037094
Matrix : SOIL
Ext Btch ID: IPG092S
Ref.: ID8G037089
Instrument ID : EMAXTID8 RESULTS RL (mg/kg) (mg/kg) (mg/kg)

ND 10.0 1.00

1.15 1.00 0.401

138 1.00 0.200

ND 1.00 0.200

ND 1.00 0.200

14.2 1.00 0.200

5.74 1.00 0.200

477 1.00 0.200

153 1.00 0.200

ND 5.01 0.501

7.61 1.00 0.200

0.512J 1.00 0.501

0.866J 1.00 0.501

1.07 1.00 0.501

34.3 1.00 0.501

1970 1.00 0.501 \_\_\_\_\_ PARAMETERS Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium

## METHOD 3050B/6010B Exhibit D-5 part 1, 09572330BY TRACE ICP

-----Client : URS OPERATING SERVICES Date Collected: 07/29/08 11:15
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/30/08
SDG NO. : 08G314
Sample ID: EPA-ASH5 Date Analyzed: 07/31/08 09:45
Lab Samp ID: G314-05 Dilution Factor: 1
Lab File ID: ID8G037095 Matrix : SOIL
Ext Btch ID: IPG092S % Moisture : 0.0
Calib. Ref.: ID8G037089 Instrument ID : EMAXTID8 \_\_\_\_\_ PARAMETERS Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc

# METHOD 3050B/6010B Exhibit D-5 part 1, 09EV2330BY TRACE ICP

	========	.=======	
Client : URS OPERATING SERVICES	Date	Collected:	07/29/08 11:20
Project : MUSHROOM EXPRESS ASSESSMENT	Date	Received:	07/30/08
SDG NO. : 08G314	Date	Extracted:	07/31/08 09:45
Sample ID: EPA-ASH6	Date	Analyzed:	07/31/08 22:25
Lab Samp ID: G314-06	Diluti	on Factor:	1
Lab File ID: ID8G037096	Matrix	:	SOIL
Ext Btch ID: IPG092S	% Mois	sture :	0.0
Calib. Ref.: ID8G037089	Instru	ment ID :	EMAXTID8
=======================================	========		
	RESULTS	RI	MDL
PARAMETERS	(mg/kg)		
Antimony	ND	10.0	1.00
Arsenic	0.749J	1.00	0.400
Barium	180	1.00	0.200
Beryllium	ND	1.00	0.200
Cadmium	1.66	1.00	0.100
Chromium	20.6	1.00	0.200
Cobalt	8.51	1.00	0.200
Copper	381	1.00	0.200
Lead	151	1.00	0.200
Molybdenum	1.36J	5.00	0.500
Nickel	6.91	1.00	0.200
Selenium	ND	1.00	0.500
Silver	ND	1.00	0.250
Thallium	0.769J	1.00	0.500
Vanadium	28.5	1.00	0.500
Zinc	688	1.00	0.500

# METHOD 3050B/6010B Exhibit D-5 part 1, 09E72330BY TRACE ICP

Client : URS OPERAT Project : MUSHROOM E SDG NO. : 08G314 Sample ID: EPA-ASH7 Lab Samp ID: G314-07 Lab File ID: ID8G037097 Ext Btch ID: IPG092S Calib. Ref.: ID8G037089	ING SERVICES XPRESS ASSESSMENT	Date Date Date Date Dilut Matri % Moi Instr	Collected: Received: Extracted: Analyzed: ion Factor: x : sture : ument ID :	07/29/08 11:30 07/30/08 07/31/08 09:45 07/31/08 22:30 1 SOIL 0.1 EMAXTID8
PARAMETERS Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium		RESULTS (mg/kg) ND 1.62 123 ND ND 12.2 7.04 12.6 8.65 ND 5.51 ND ND 1.15 39.1	RL (mg/kg)  10.0 1.00 1.00 1.00 1.00 1.00 1.0	MDL (mg/kg)  1.00 0.400 0.200 0.200 0.200 0.200 0.200 0.501 0.200 0.501 0.250 0.501

# METHOD 3050B/6010B Exhibit D-5 part 1, 09E72330BY TRACE ICP

	========	.=======	=========		
Client : URS OPERATING SERVICES	Date	Collected:	07/29/08 11:35		
Project : MUSHROOM EXPRESS ASSESSMENT	Date	Received:	07/30/08		
SDG NO. : 08G314	Date	Extracted:	07/31/08 09:45		
Sample ID: EPA-ASH8	Date	Analyzed:	07/31/08 22:35		
Lab Samp ID: G314-08	Dilution Factor: 1				
Lab File ID: ID8G037098	Matrix	SOIL			
Ext Btch ID: IPG092S		sture :			
Calib. Ref.: ID8G037089	Instru	ment ID :	EMAXTID8		
	=======		========		
	RESULTS	RL	MDL		
PARAMETERS	(mg/kg)	. 5. 5.	(mg/kg)		
Antimony	ND	10.1	1.01		
Arsenic	0.764J	1.01	0.402		
Barium	69.0	1.01	0.402		
Beryllium	ND	1.01	0.201		
Cadmium	ND	1.01	0.101		
Chromium	8.86	1.01	0.201		
Cobalt	3.46	1.01	0.201		
Copper	5.60	1.01	0.201		
Lead	5.74	1.01	0.201		
Molybdenum	ND	5.03	0.503		
Nickel	3.75	1.01	0.201		
Selenium	ND	1.01	0.503		
Silver	ND	1.01	0.252		
Thallium	0.667J	1.01	0.503		
Vanadium	22.7	1.01	0.503		
Zinc	50.2	1.01	0.503		

#### METHOD 3050B/6010B Exhibit D-5 part 1, 09EV2330BY TRACE ICP

Zinc

-----Client : URS OPERATING SERVICES Date Collected: NA
Project : MUSHROOM EXPRESS ASSESSMENT Date Received: 07/31/08
SDG NO. : 08G314 Date Extracted: 07/31/08 09:45
Sample ID: MBLK1S Date Analyzed: 07/31/08 20:30
Lab Samp ID: IPG092SB Dilution Factor: 1
Lab File ID: ID8G037073 Matrix : SOIL
Ext Btch ID: IPG092S % Moisture : NA
Calib. Ref.: ID8G037071 Instrument ID : EMAXTID8 \_\_\_\_\_ RL RESULTS RL (mg/kg) (mg/kg) (mg/kg)

----
ND 10.0 1.00

ND 1.00 0.400

ND 1.00 0.200

ND 1.00 0.500

ND 1.00 0.500

ND 1.00 0.5500

ND 1.00 0.5500 RESULTS PARAMETERS (mg/kg) Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium

#### EMAX QUALITY CONTROL DATA LCS/LCD ANALYSIS

#### Exhibit D-5 part 1, 09cv2330

CLIENT: URS OPERATING SERVICES
PROJECT: MUSHROOM EXPRESS ASSESSMENT

SDG NO.: 08G314

METHOD: METHOD 3050B/6010B

\_\_\_\_\_\_

MATRIX: SOIL % MOISTURE: N

DILTN FACTR: 1 1 1

SAMPLE ID: MBLK1S

CONTROL NO.: IPG092SB IPG092SL IPG092SC
LAB FILE ID: ID8G037073 ID8G037074 ID8G037075
DATIME EXTRCTD: 07/31/0809:45 07/31/0809:45
DATIME ANALYZD: 07/31/0820:30 07/31/0820:35 07/31/0820:40

DATIME ANALYZD: 07/31/0820:30 07/31/0820:35 07/31/0820:40 DATE RECEIVED: 07/31/08 PREP. BATCH: IPG092S IPG092S IPG092S

CALIB. REF: ID8G037071 ID8G037071 ID8G037071

#### ACCESSION:

PARAMETER	BLNK RSLT mg/kg	SPIKE AMT mg/kg	BS RSLT mg/kg	BS % REC	SPIKE AMT mg/kg	BSD RSLT mg/kg	BSD % REC	RPD %	QC LIMIT	MAX RPD
Antimony	ND	500	493	99	500	487	97	1	80-120	20
Arsenic	ND	100	99.6	100	100	97	97	3	80-120	20
Barium	ND	100	97.8	98	100	99.6	100	2	80-120	20
Beryllium	ND	100	102	102	100	104	104	2	80-120	20
Cadmium	ND	100	101	101	100	101	101	0	80-120	20
Chromium	ND	100	95.8	96	100	94.7	95	1	80-120	20
Cobalt	ND	100	99.3	99	100	98.7	99	1	80-120	20
Copper	ND	100	97.1	97	100	98.4	98	1	80-120	20
Lead	ND	100	96.9	97	100	96.7	97	0	80-120	20
Molybdenum	ND	100	101	101	100	102	102	1	80-120	20
Nickel	ND	100	98.6	99	100	98.4	98	0	80-120	20
Selenium	ND	100	97.5	98	100	95.2	95	2	80-120	20
Silver	ND	100	96.5	96	100	95.9	96	1	80-120	20
Thallium	ND	100	95.8	96	100	96	96	0	80-120	20
Vanadium	ND	100	107	107	100	109	109	1	80-120	20
Zinc	ND	100	99.2	99	100	98	98	1	80-120	20

DATE COLLECTED: NA

### Exhibit D-5 part 1, 09cv2330

\_\_\_\_\_\_

\_\_\_\_\_\_

Client : URS OPERATING SERVICES Matrix : SOIL
Project : MUSHROOM EXPRESS ASSESSMENT : 1047

Batch No. : 08G314

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/Kg)	DLF	MOIST	RL (mg/Kg)	MDL (mg/Kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	HGG048SB	ND	1	NA	0.100	0.0330	07/31/0813:26	07/30/0819:00	M47G029037	M47G029032	HGG048S	NA	07/30/08
LCS1S	HGG048SL	0.843	1	NA	0.100	0.0330	07/31/0813:28	07/30/0819:00	M47G029038	M47G029032	HGG048S	NA	07/30/08
LCD1S	HGG048SC	0.845	1	NA	0.100	0.0330	07/31/0813:30	07/30/0819:00	M47G029039	M47G029032	HGG048S	NA	07/30/08
EPA-ASH1AS	G314-01A	0.336	1	0.9	0.101	0.0333	07/31/0813:32	07/30/0819:00	M47G029040	M47G029032	HGG048S	07/29/08	07/30/08
EPA-ASH1	G314-01	ND	1	0.9	0.101	0.0333	07/31/0813:34	07/30/0819:00	M47G029041	M47G029032	HGG048S	07/29/08	07/30/08
EPA-ASH1DL	G314-01J	ND	5	0.9	0.505	0.166	07/31/0813:36	07/30/0819:00	M47G029042	M47G029032	HGG048S	07/29/08	07/30/08
EPA-ASH2	G314-02	ND	1	0.8	0.101	0.0333	07/31/0813:38	07/30/0819:00	M47G029043	M47G029032	HGG048S	07/29/08	07/30/08
EPA-ASH3	G314-03	ND	1	0.9	0.101	0.0333	07/31/0813:44	07/30/0819:00	M47G029046	M47G029044	HGG048S	07/29/08	07/30/08
EPA-ASH4	G314-04	ND	1	0.2	0.100	0.0331	07/31/0813:46	07/30/0819:00	M47G029047	M47G029044	HGG048S	07/29/08	07/30/08
EPA-ASH5	G314-05	ND	1	0.0	0.100	0.0330	07/31/0813:49	07/30/0819:00	M47G029048	M47G029044	HGG048S	07/29/08	07/30/08
EPA-ASH6	G314-06	ND	1	0.0	0.100	0.0330	07/31/0813:51	07/30/0819:00	M47G029049	M47G029044	HGG048S	07/29/08	07/30/08
EPA-ASH7	G314-07	0.0507J	1	0.1	0.100	0.0330	07/31/0813:53	07/30/0819:00	M47G029050	M47G029044	HGG048S	07/29/08	07/30/08
EPA-ASH8	G314-08	ND	1	0.6	0.101	0.0332	07/31/0813:55	07/30/0819:00	M47G029051	M47G029044	HGG048S	07/29/08	07/30/08

### Attachment 4 Waste Manifests

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$\uparrow$	UNIF	ORM HAZARDOUS 1Generator ID Number	(miles)	2. Page 1 of		ency Response I		4. Manifest		<sup>mber</sup> <b>431</b>	<b>S</b>	ווע
		STE MANIFEST 640002633 erator's Name and Mailing Address	OCC	,		,		n mailing addres		40 <u>1</u>	<u> </u>	NUN
		MUSHROOMEXPRESS				ALLEY CEN		•	-,			
		33777 VALLEY CENTER ROAD VALLEY CENTER	CA 92082		VALLEY	CENTER		C	A i	32082		•
		ator's Phone:	Care 7						. ,			
	6. Irai	sporter 1 Company Name WEST COAST LOGISTICS		•				U.S. EPAID N		47827	*** *** ***	
	7. Trai	sporter 2 Company Name			· · · · · · · · · · · · · · · · · · ·			U.S. EPA ID N	_	, ., .		
			•									
	8. Des	ignated Facility Name and Site Address  WCS 15 RAI ERVIRORING TAL INCOME		The state of the s	an.			U.S. EPA ID N	lumber			
$\  \ $		62-150 GENE WELMAS DRIVE	SAFE W. C. I Sealed									
	Facility	#EGGA	¥254					CAR	0001	57266		· ·· ··
	9a. •	9b. U.S. DOT Description (including Proper Shippin	g Name, Hazard Class, ID Number,	1		10. Contain	ers	11. Total	12. Unit	49.1		doo
1	НМ	and Packing Group (if any))	,			No.	Туре	Quantity	Wt./Vol.	13.	waste co	1
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			917-44			/ Bill Ti	) ENVIRO	gerv wwe	ar prop	ERPPE		
		SENERATOR'S/OFFEROR'S CERTIFICATION: I he	reby declare that the contents of the			nd accurately des	scribed above	by the proper sh	ipping name	e, and are cla		
$\  \ $		narked and labeled/placarded, and are in all respects exporter, I certify that the contents of this consignmen					onal governm	ental regulations	. If export sh	ipment and I	am the P	rimary
11	Į	certify that the waste minimization statement identified	ed in 40 CFR 262.27(a) (if I am a lar	rge quantity ge	nerator) or (		Il quantity ger	nerator) is true.			D. 15	· .
	Gener	ator's/Offeror's Printed/Typed Name	all of Mushikoo	<b>₩¥</b> ₩₩	gyature	Ad.		, decitor		Mo	. The	ay Year
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띮	17. Tr	ansporter Acknowledgment of Receipt of Materials order 1 Printed/Typed Name		Ci	gnature	- 1				Moi	ath D	lay Year
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ACII ITY								_ _				

Signature

9a.

GENERATOR

DESIGNATED FACILITY

1.

Printed/Typed Name

Month

Day

Year

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		Exhibit D-5 part 1, 09cv2330							
PI	eas	se print or type. (Form designed for use on elite (12-pitch) typewriter.)		•					IB No. 2050-0039
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		WASTE MANIFEST CACOD2633688		5		UU	421	4321	JJK
		5. Generator's Name and Mailing Address		enerator's Site Address			s)		
		- MUSHROOMEXPRESS	83	3777 YALLEY CEN	TER ROAL	D			
		38777 VALLEY CENTER ROAD VALLEY CENTER CA S2082	3/2	ALLEY GENTER		TO:	Ą	92062	
l		B31 761-9554	1				•		ì
		Generator's Phone: 6. Transporter 1 Company Name				U.S. EPA ID N	lumber	•	
		ENVERONMENTAL RECOVERY SERVICES, INC.	•					88201	
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		7. Transporter 2 Company Name MALINEE EXPRESS (CL. #775)				U.S. EPA ID N	5 5 0 5 E	07380	
ŀ		. ,			•		•		
		8. Designated Facility Name and Site Address				U.S. EPA ID N	lumber		
		HWY 95, 12 MILES SOUTH							
		reative of the same							
		Facility's Phone: (75)555-3203				I MAT	3300	10000	
	I٢	ga. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,		10, Contair	ers	11. Total	12. Unit		
Ì	١.	HM and Packing Group (if any))		No.	Туре	Quantity	Wt./Vol.	13. Was	ste Codes
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	Ħ	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment of the contents of the content							
		marked and labeled/placarded, and are in all respects in proper condition for transport according to a Exporter, i certify that the contents of this consignment conform to the terms of the attached EPAAck			onal governm	ental regulations	. If export si	hipment and I am	the Primary ·
1	Н	certify that the waste minimization statement identified in 40 CFR 262:27(a) (if I am a large quantity			II quantity ger	nerator) is true.			l
	H	Generator's/Offeror's Printed/Typed Name	Signa		Λ			Month	Day Year
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	1	18. Discrepancy						_	
		18a. Discrepancy Indication Space Quantity Type		Residue		Partial Re	jection		Full Rejection
		,		•	•				-
	1	1		Manifest Reference	Number:				
	Ę	18b. Alternate Facility (or Generator)				U.S. EPA ID	Number		
	등								
	₹	Facility's Phone:							
	臼	18c. Signature of Alternate Facility (or Generator)						Month	n Day Year
	₹	•						•	$  \cdot   \cdot   \cdot   \cdot   \cdot  $
	햞	19. Hazardous Wasie Report Management Method Codes (i.e., codes for hazardous waste treatment, dis	sposal.	and recycling systems)					p. P
	DESIGNATED FACILITY	1.  2.	3.			4.			
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the	manife	st except as noted in Iter	n 18a	<u>-</u> -			
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# Attachment 5 Photodocumentation of Removal Operations

### **Mushroom Express Assessment**

Valley Center, California



### PHOTOGRAPH 1:

Backhoe loading out ash pile on north end of site.

Date: August 22, 2008

Photographer: Mike Schwennesen,

Team 9

Direction: facing east



### PHOTOGRAPH 2:

Envirosery personnel removing TPH-contaminated soil to the south of the waste oil management area.

Date: August 22, 2008

Photographer: Mike Schwennesen,

Team 9

Direction: facing east



### PHOTOGRAPH 3:

Pressure-washing "driveway" area after sweeping up the ash.

Date: August 22, 2008

Photographer: Mike Schwennesen,

Team 9

Direction: facing east

### **Mushroom Express Assessment**

Valley Center, California



### PHOTOGRAH 4:

Eastern "hot spot" ash swept up and ready for removal.

Date: August 22, 2008

Photographer: Mike Schwennesen,

Team 9

Direction: facing southeast



### PHOTOGRAPH 5:

"Driveway" area, after XRF confirmation analysis.

Date: August 22, 2008

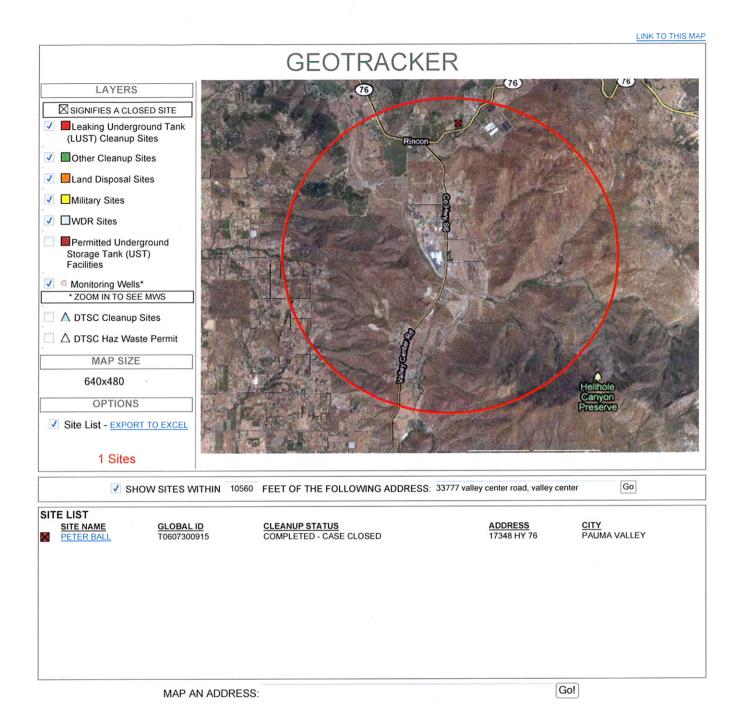
Photographer: Mike Schwennesen,

Team 9

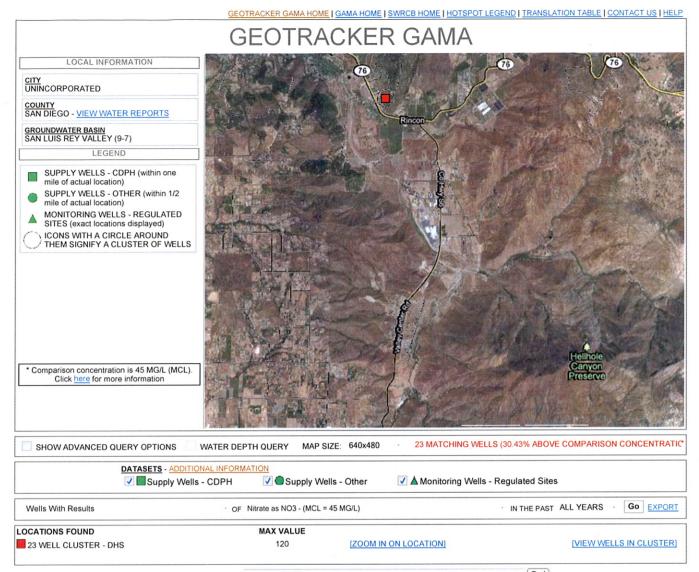
Direction: facing east



Page 1 of 1



GeoTracker GAMA Page 1 of 1



MAP AN ADDRESS: getmwpointsbig.asp?xmin=-117.007999420166&xmax=-116.89 Go!

### APPENDIX D

**User Provided Information** 

### **Diane Wendland**

From:

Joe Martinez [joe@sierrabuildingsolutions.com]

Sent:

Wednesday, July 13, 2011 8:15 AM

To:

Diane Wendland

Cc:

Tiffany Wolfe; Jim Murguia; Dick Watenpaugh

Subject:

Re: Rincon - Questions About Hotel Expansion and Mushroom Farm Environmental

Assessment

### See my comments below in red on the Travel Plaza

#### Joe

On Jul 12, 2011, at 2:30 PM, Diane Wendland wrote:

### Tiffany -

Dick would like you to address the Environmental questions. Please send all back to Dick.

Jim-

Dick would like to discuss some questions with you regarding the proposed gas station

Joe -

Any input would be appreciated.

Thanks to all.

Diane Wendland
Executive Assistant to
Dick Watenpaugh, Tribal Administrator
Rincon Band of Luiseno Indians
33750 Valley Center Road
P.O. Box 68
Valley Center, CA 92082
Tel: (760) 749-1051, ext. 2818
Fax: (760) 297-2020

**From:** Dane Frank [mailto:Dane@aegengineers.com]

Sent: Friday, July 08, 2011 12:46 PM

To: Diane Wendland

Cc: mandiinspokane@yahoo.com; wheat.s@frontier.com; Stephen Lane; Earl Stephens

Subject: Rincon - Questions About Hotel Expansion and Mushroom Farm Environmental Assessment

#### Diane

I have some questions regarding the hotel expansion and mushroom farm environmental assessment. Some of the questions are for the tribe and some are for Harrah's, so I'm sending them all to you with the hope that you will know who best to ask. If you would like me to send the questions directly to specific people please let me know.

### General questions for the tribe:

1 – Could I get copies of any well, soil, and groundwater data (depth to water measurments, analytical results, construction details, borelogs, geology) for the tribes domestic wells in the vicinity of the casino (specifically wells NS-1, NS-2, and NS-3)? Some of this data was available in 2003/04 when the first four phases were completed. PBSJ I believe did a pretty through report back then on the wells specified. I will check with Facilities at the casino today if they have a copy of the report.

2 - Could I get copies of any percolation testing results or reports done for the wastewater treatment plant spraying fields? This was never done in the current spray field which in the toad habitat. If you don't have anything on the percolation testing could you tell me if there are any agencies/people that might have the info (agencies that issued permits, someone who was involved in the testing, any companies that would have done the work)? Percolation tests were done in the current perc ponds (2) at the WWTP. This info should be available in the report mentioned above.

### ASTM Standards related questions for the tribe:

There are some questions in the ASTM Phase I standards (ATSM E1527-05) for the party requesting the Phase I. Could you please answer the following questions regarding the Mushroom Farm? Some of these questions may not be pertinent to this investigation. These questions and answers will be included in the Environmental Assessment Report.

- 1 Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?
- 2 Are you aware of any AULs (activity and use limitations), such as engineering controls, land use, restriction, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?
- 3 As the user (the party seeking to use Practice E1527 to complete an environmental site assessment of the property) of this ESA (environmental site assessment) do you have any specialized knowledge or experience related to the property or nearby properties? For example: are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
- 4 Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
- 5 Are you aware of commonly known or reasonably ascertained information about the property that would help the environmental professional to identify conditions indicative or releases or threatened releases? For example, as user,
  - (a.) Do you know the past uses of the property? Ues LPA
- (b.) Do you know of specific chemicals that are present or once were present at the property?

  (c.) Do you know of spills or other chemical releases that have taken place at the property?

  (d.) Do you know of and environmental cleanups that have taken place at the property?

6 - As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indications that point to the presence or likely presence of contamination at the property?

#### Environmental assessment guestionnaire for the tribe:

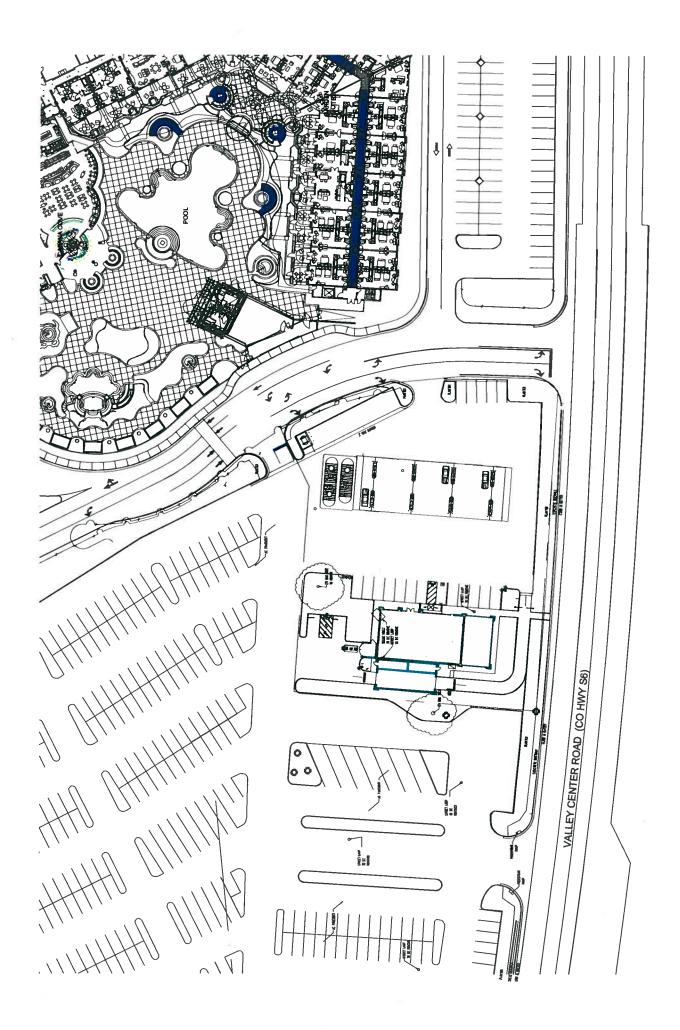
Usually this questionnaire is filled out by the property owner or tenant, but since that seems unlikely to happen, please fill out the questionnaire as best you can for the Mushroom Farm. Some of these questions may not be pertinent to this investigation. These questions and answers will be included in the Environmental Assessment Report.

The questionnaire is attached to this email as a PDF document.

### Proposed gas station questions for Harrah's:

These questions are based on the CAD figure provided to me by AES. A close up of the proposed gas station on the CAD drawing is attached to this email at a PDF.

- 1 Are the location, configuration, and size of the proposed gas station shown on the attached drawing correct? YESIf it is not correct, or there are other possible locations or configurations, please provide me with the correct proposed location(s).
- 2 Where will the fuel underground storage tanks be located relative to the gas station? Tanks are shown on the west end of the canopy
- 3 Will the gas station include a car wash (appears to be one on the figure)? YES, automated with recycled water typical of this type of product





### **Diane Wendland**

From:

Tiffany Wolfe

Sent:

Thursday, July 21, 2011 6:38 PM

To: Cc:

Diane Wendland; Dick Watenpaugh

Subject:

Justine Murphy; Scott Selland; Tammy Peevler; Alan Sweeney; wheat.s@frontier.com FW: Rincon - Questions About Hotel Expansion and Mushroom Farm Environmental

Assessment

Attachments:

img-110722010323-0001.pdf

### Diane,

My answers are below in Blue.

I have also attached is file img-110722....

This file contains the information from the USEPA cercla website, a letter from the Indian health services inspection and a draft copy of the letter sent to Mushroom farm owner in 05 as back-up documentation.

**Tiffany** 

**From:** Dane Frank [mailto:Dane@aegengineers.com]

**Sent:** Friday, July 08, 2011 12:46 PM

**To:** Diane Wendland

Cc: mandiinspokane@yahoo.com; wheat.s@frontier.com; Stephen Lane; Earl Stephens

Subject: Rincon - Questions About Hotel Expansion and Mushroom Farm Environmental Assessment

#### Diane

I have some questions regarding the hotel expansion and mushroom farm environmental assessment. Some of the questions are for the tribe and some are for Harrah's, so I'm sending them all to you with the hope that you will know who best to ask. If you would like me to send the questions directly to specific people please let me know.

### General questions for the tribe:

- 1 Could I get copies of any well, soil, and groundwater data (depth to water measurments, analytical results, construction details, borelogs, geology) for the tribes domestic wells in the vicinity of the casino (specifically wells NS-1, NS-2, and NS-3)?
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### ASTM Standards related questions for the tribe:

There are some questions in the ASTM Phase I standards (ATSM E1527-05) for the party requesting the Phase I. Could you please answer the following questions regarding the Mushroom Farm? Some of these questions may not be pertinent to this investigation. These questions and answers will be included in the Environmental Assessment Report.

1 – Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

In the EPA database online, the mushroom farm shows a Cercla interest. Began 1.11.08 and completed 8.22.08 and planned outcome reads - cleaned up. I will attach info.

2 - Are you aware of any AULs (activity and use limitations), such as engineering controls, land use, restriction, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

### Defer to legal

- 3 As the user (the party seeking to use Practice E1527 to complete an environmental site assessment of the property) of this ESA (environmental site assessment) do you have any specialized knowledge or experience related to the property or nearby properties? For example: are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
- 4 Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

  Defer to legal
- 5 Are you aware of commonly known or reasonably ascertained information about the property that would help the environmental professional to identify conditions indicative or releases or threatened releases? For example, as user. (a.) Do you know the past uses of the property? The mushroom express grew and mass produced mushrooms until the early 90s, the company stock piled manure which could potentially cause storm water to carry nitrogen and fecal Coliform bacteria into the river/ aquifer, the company also served as a auto storage/salvage yard and stored 55 gallon drums of waste motor oil, vehicle fluids and other unlabeled containers and the site had 4 unregistered underground injection wells. This property burned in the 2007 fire which caused the company to remove the burned vehicles and remove the debris.
- (b.) Do you know of specific chemicals that are present or once were present at the property? Motor oils
- (c.) Do you know of spills or other chemical releases that have taken place at the property? Reports from Indian Health Services and USEPA indicate that the 55gallon drums were overflowing at time of inspection.
- (d.) Do you know of and environmental cleanups that have taken place at the property? A clean up plan was created in the fall of 2008, according to the USEPA web-site info the site was cleaned under CERCLA.
- 6 As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indications that point to the presence or likely presence of contamination at the property? Soil samples were taken, I will defer to the legal department on this question.

### Environmental assessment questionnaire for the tribe:

Usually this questionnaire is filled out by the property owner or tenant, but since that seems unlikely to happen, please fill out the questionnaire as best you can for the Mushroom Farm. Some of these questions may not be pertinent to this investigation. These questions and answers will be included in the Environmental Assessment Report.

The questionnaire is attached to this email as a PDF document.

### Proposed gas station questions for Harrah's:

These questions are based on the CAD figure provided to me by AES. A close up of the proposed gas station on the CAD drawing is attached to this email at a PDF.

- 1 Are the location, configuration, and size of the proposed gas station shown on the attached drawing correct? If it is not correct, or there are other possible locations or configurations, please provide me with the correct proposed location(s).
- 2 Where will the fuel underground storage tanks be located relative to the gas station?
- 3 Will the gas station include a car wash (appears to be one on the figure)?

Thank you

Dane Frank
Staff Engineer
Applied Engineering and Geology, Inc.
P: 916.645.6014
F: 916.645.6098
Dane@aegEngineers.com

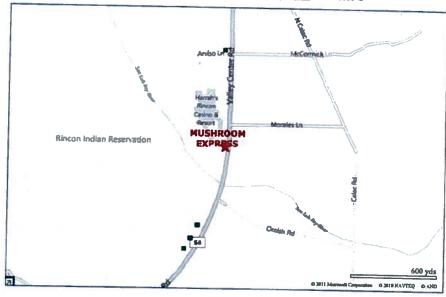




### Facility Detail Report



MUSHROOM EXPRESS 33777 VALLEY CENTER ROAD VALLEY CENTER. CA 92082-6014 EPA Registry Id: 110024280142



Legend
Selected Facility
EPA Facility of Interest
State/Tribe
Facility of Interest

The facility locations displayed come from the FR5 Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

#### Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Undated Date	Supplemental Environmental Interests:
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFORMATION SYSTEM	CAN000908607	SUPERFUND	CERCLIS		ALLEGA ALLEGA
INTEGRATED COMPLIANCE INFORMATION SYSTEM	7730039	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	09/01/2005	

### Additional EPA Reports: <u>MyEnvironment</u> Site Demographics <u>Watershed Report</u>

Standard Industrial Classification Codes (SIC)	National Industry Classification System Codes (NAICS)				
No SIC Codes returned:	No NAICS Codes returned.				
Facility Codes and Flags	Facility Mailing Addresses				
EPA Renigo: 09	No Facility Mailing Addresses returned.				
Duns Number:	The state of the s				
Congressional District Humber: 49	Contacts				
Legislativa District Number:					
HUC Code/Watershed: 18070303 / SAN LUIS REY-ESCONDIDO	No Contacts returned.				
US Maxico Border Indicator: YES					
Enderni Encility:					
Tribal Land: RINCON RESERVATION					
Alternative Names  No Alternative Names returned.					
Organizations					
No Organizations returned					

Query executed on: JUL-21-2011

### Additional information for CERCLIS or TRI sites:

This information resource is not maintained, managed, or owned by the Environmental Protection Agency (EPA) or the Envirofacts Support Team. Neither the EPA nor the Envirofacts Support Team is responsible for their content or site operation. The Envirofacts Warehouse provides this reference only as a convenience to our Internet users.

### **Envirofacts**

### **Search Results**



Only CERCLIS facility information was searched to select facilities

<< Return

Site EPA ID: Beginning With: CAN000908607

Results are based on data extracted on JUL-15-2011

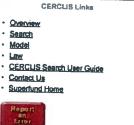
Note: Click on the CORPORATE LINK value for links to that company's environmental web pages

Click on the MAPPING INFO value to obtain mapping information for the facility.

Click on the RECORD OF DECISION value for a RODS Site Report.

Click on the "View Facility Information" link to view EPA Facility information for the facility.

Go To Bottom Of The Page



CERCLIS EPA ID:	CAN000908507	SITE NAME:	MUSHROOM EXPRESS
STREET ADDRESS:	33777 VALLEY CENTER RD	FACILITY INFORMATION	View facility information
CITY NAME:	VALLEY CENTER		
STATE ABBR:	CA	FEDERAL FACILITY:	N
ZIP CODE:		NPL STATUS:	Not on the NPL
COUNTY NAME:	SAN DIEGO		7707 071 070 177 2
CORPORATE LINK:	No	RECORD OF DECISION (ROD) INFO:	No
ATITUDE:		EPA REGIONAL UNK:	No
ONGITUDE:		MAPPING INFO:	MAP
ITE SMSA:			

### **Enforcement and Cleanup Actions**

Action	Action ID	Actual Start Date	Actual End Date	Responsibility	Planned Outcome	Urgency	
PRP REMOVAL	001	01/11/2008	08/22/2008	Responsible Party	Cleaned up	Time Critical	

### Site Description

There were no Site Descriptions reported for this site.

Below is additional information for CERCLIS sites:

This information resource is not maintained, menaged, or owned by the Environmental Protection Agency (EPA) or the Envirolacts Support Team. Neither the EPA nor the Envirolacts Support Team is responsible for their content or site operation. The Envirolacts Warehouse provides this reference only as a convenience to our Internet users.

National Library of Medicine (NLM) EXIT Pisclaimer: TOXMAP

Go To Top Of The Page

**Total Number of Facilities Displayed: 1** 

Last updated on Thursday, July 21, 2011







ESCONDIDO DISTRICT OFFICE 1320 W. Valley Parkway, Suite 309 ESCONDIDO, CA 92029

January 18, 2008

Ms. Kristie Orosco, Environmental Director Rincon Luiseno Band of Indians 33750 Valley Center Road, P.O. Box 68 Valley Center, CA 92082

RE: Public Health, Safety and Environment Threat; Mushroom Express Property

Dear Ms. Orosco

Per your request, I am writing to share an environmental health perspective on the "Mushroom Express" property. My findings and recommendations are based on a site visit with Eric Mendoza, Rincon Environmental Compliance Coordinator, conducted on January 16, 2008 and findings in reports written by County and federal officials.

### **SUMMARY**

The property clearly presents potential threats to public health, safety and the environment including:

- Contamination of the unconfined aquifer which is used as a public water supply.
- Physical hazards from assorted waste and partially demolished buildings.

A variety of problems have been identified on many occasions, but environmental laws have not been enforced at the site for nearly thirty years. Examples include:

- In 1983, the Indian Health Service identified a "health hazard" in formal correspondence with the Tribe based on the analysis of a 100 milliliter sample of storm water which flowed off-site and contained over 2,400 colonies of fecal Coliform bacteria.
- A 1989 County inspection report identified the owner/operator as an unregistered generator of hazardous waste (waste oil and formaldehyde) and cited other violations including storage, labeling, and disposal of hazardous waste on-site; all violations of the Resource Conservation and Recovery Act (RCRA).
- A 2005 U.S. Environmental Protection Agency (EPA) site visit report includes findings of "overflowing" 55 gallon waste oil drums, unlabeled containers, and

unregistered injection wells; violations of the RCRA and the Safe Drinking Water Act.

In 2006, the County received a citizen complaint which stated "vehicles are leaking oil and fluids everywhere".

Most of the lot should be isolated as a hazard area and entry should be denied until it is formally evaluated and remediated by an objective third party in accordance with industry best practices.

- The EPA can conduct a formal Environmental Assessment that will include debris, soil and groundwater sampling. Contact Mr. Glenn Kistner, Brownfields Coordinator, at <a href="kistner.glenn@epa.gov">kistner.glenn@epa.gov</a> or ph# 415-972-3004 to request a no-cost (expedited?) assessment. An assessment conducted by the EPA will ensure proper and objective sampling technique which is necessary to determine the full scale and type of contamination at the site.
- Site remediation planning is dependent on a properly conducted environmental
  assessment. Improper sampling (e.g. location and number of samples) and
  laboratory analyses can lead to faulty conclusions about the type and extent of
  contamination and the best way to remediate the site.
- There is mention in the EPA report "POLREP #1" for the period 1/9/08 1/14/08 that the County was engaged in a clean-up of the site after the October 2008 fire. You should request from the County a copy of the list of materials removed from the site during that time. The list would help with the development of a site sampling plan and site worker health & safety plan.
- The on-site well could serve as a monitoring well to evaluate groundwater quality over time. It should not be used as a source of drinking water until several samples are collected over time (e.g. dry and wet season sampling) and analyzed to show that the water meets federal drinking water quality standards including bacteriological, radiological, inorganic contaminants (e.g. metals), synthetic organic contaminants (e.g. pesticides and herbicides) and volatile organic contaminants (e.g. toluene and xylenes). Usually, there are at least three monitoring wells arrayed to "capture" the most likely path of a contaminant plume.

### RELATED DETAIL AND RECOMMENDATIONS

During my January 16, 2008 visit to the site, I saw a variety of contaminants and at least two conduits for contamination into the unconfined aquifer beneath the site. My observations included:

- Automotive battery ash with lead plates exposed,
- Tire ash which typically contains zinc and other metals,

- Six 55-gallon drums (one was 1/3 full with what appeared to be a thick sludge),
- Compressed gas cylinders;
- A variety of cooling units with coolant tanks;
- Contaminated soil with petroleum odor;
- A 3,000 gal above-ground diesel fuel tank with no spill containment structure;
- A fuel pump next to the tank and sited on bare soil;
- An injection well with an open grate at ground level near the large diesel tank,
- The location of a septic tank and drain field;
- Burnt cars and truck trailers;
- What appeared to be paint cans (burnt beneath a burned-out trailer).

Photographs are included as an attachment to this letter.

It may be a "stretch", but there may also be an inhalation risk from airborne asbestos fibers that originated from building materials, automotive brake pads, clutch facings, and gaskets.

According to the San Diego County Soil Survey, soils at the site are sandy loams with "moderately rapid" permeability. This fact, taken in consideration with the fact that there is no confining layer over the aquifer to protect it from surface contamination, provides further justification for the concern about the possibility of aquifer contamination over the last 30+ years. As I understand, there are six public water systems in the area that rely on the aquifer as a source of drinking water.

The site lies entirely within the flood plain of the San Luis Rey River. A major flood event could carry contaminants off-site and impact the riparian ecosystem.

Please do not hesitate to contact me for further assistance regarding this matter. You can reach me at ph# 760-735-6891.

Respectfully.

David E. Robbins, R.E.H.S.

District Environmental Health Specialist

add tormal Name Ground Water/UIC inspections with Rincon and RCAC, draft report, page 1 of 5

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX 75 Hawthorne Street San Francisco, CA 94105

### DRAFT - 7/6/05

Subject:

Inspection Report: Rincon Band of Luiseno Mission Indians, Underground Injection

Control Well/Ground Water Vulnerability Inspections

By:

Elizabeth Janes for Eric Byous, Ground Water Office, US EPA Region 9

Objective:

To conduct inspections of sites that may pose a risk to underground sources of drinking

water, and to report recommendations to all involved parties

Date of Inspection: June 24, 2005

Present during inspections:

Gilbert Parada, Tribal Council member Kristen Orosco, Tribal Environmental coordinator John Parada, Tribal Environmental office Tellinician Ed Young, Rural Community Assistance Corporation (RCAC) Dave Harvey, RCAC

Elizabeth Janes, USEPA

# 1. Mushroom Express, 33777 Valley Center Road, Valley Center, CA 92082

Contacts: Present for the Inspection: Nik Owner: David (not present for inspection) Operator: Marvin Donas (not present for inspection)

Observations: This facility is located within the political jurisdiction of San Diego County, but is bounded on all sides by the Rincon Reservation. The United States Environmental Protection Agency, Region 9 Ground Water Office (EPA) conducted the inspection with the purpose of evaluating its wastewater disposal practices, particularly for threats to ground water.

Mushroom Express was formerly a mushroom grower until the early 1990s, utilizing two multi-bay concrete or stone buildings to grow mushrooms for wholesale distribution. The lot currently is used for housing, office space, automotive impoundment, truck trailer parking, truck repair, and packing/ redistribution. There is also a compost pile at the rear of the lot (close to the pumphouse for the disconnected water supply well.)

Because the owner of the property was not there, access was limited primarily to the outdoor areas of the lot.

Most of the lot is paved. All stormwater that falls on the premises would flow to the front or rear of the property, where it would pool or evaporate, except for an unpaved area (beneath the truck trailers) or from the edges of the paved area underlying the auto impoundment.

Ground Water/UIC inspections with Rincon and RCAC, draft report, page 2 of 5

The waste oil storage area is full. While it is somewhat protected from the weather with a roof, the concrete blocks used to contain the tanks is not watertight, as there was leaking from the rear. Waste oil and oil tanks were located not just in that area but across the southern end of the lot. While waste oil alone may not constitute a major risk to ground water quality, its poor storage at this site is an indication that other fluids are not being properly managed.

Interior and exterior walls of mushroom houses were coated with a moss, lichen or other plant. Its impacts on air quality/human health are unknown.

There are also mechanical devices present, likely associated with the former mushroom operation, which were not fully investigated for leaks or connections to the industrial septic system.

Two washing machine discharges, one from each building, are plumbed to brick-lined, dirt-bottomed sumps. Both were full of gray water at the time of inspection (IS A GRAYWATER SUMP SUBJECT TO THE UIC REGS? 5' DEEP, 2' WIDE, 2' ACROSS.)

The site's drinking water well was disconnected and it appeared that all water needs on the site were being met by garden hose connection from an adjacent Tribal residential property, east of the site.

**Findings:** Potentially contaminating activities at the site include improper storage of waste oil, undocumented materials in the truck repair area, and injection wells.

Underground Injection Well (UIC) 1: Sanitary wastewater from the entire lot is plumbed to a septic system between the south building and Valley Center Road. EPA recommends that this system be pumped by a licensed sewage pumper, with a Rincon tribal environmental professional present, to document the volume and construction design of the system. RCAC is also willing to participate in that inspection to assist evaluation of the system's performance. If a County permit has already been issued for the operation of the system, it should be provided to EPA. If it is found to be a cesspool and not a septic system, then it is prohibited and EPA should be notified.

UIC 2: The site is also equipped with another system which Nik explained served the mushroom cooling/humidifier system when the farm was in full operation, but is no longer used. This system is also subject to UIC regulation.

### **Site Specific Recommendations:**

Housing and Hazardous Materials concerns: EPA recommends that a San Diego County hazardous materials inspector, or the designated CUPA official, and a County housing inspector, inspect the property.

Ground Water/Wastewater concerns: EPA will notify business owner of their obligation to inventory their injection wells, and will include compliance assistance information with that correspondence. EPA will provide best management practice guidelines for the storage of motor vehicle fluids to the facility owner. Furthermore, EPA will inform them of their obligation to properly label all hazardous materials, legally dispose of waste oil and toxic materials, and maintain all records of fluids shipped off site for legal disposal. EPA will recommend that in the course of determining septic system location, capacity and design, that the Tribe be provided with advance notice of the pumping date so that they can be present to evaluate the condition of the injection well(s).

Drinking Water concerns: The Ground Water Office and RCAC will communicate their concerns

Ground Water/UIC inspections with Rincon and RCAC, draft report, page 3 of 5 about the drinking water supply to the EPA Drinking Water Office.

2. Manure Land Application Site, Paradise Creek Road near intersection with Ornish Road.

Contact: no responsible party identified

**Observations:** Tribe reported that a large area had been used to land apply manure solids at a height of several feet, during the wet season in early 2005. On the date of inspection, there was only a slight elevation at the site, and hearty plant growth.

**Findings:** Based on the rapid decomposition of the manure pile and the plant growth at the site, EPA presumes that nitrogen in excess of agronomic rates could have been applied, possibly affecting nearby drinking water supply wells.

**Site Specific Recommendations:** EPA recommends that the Tribe consider additional salinity and nitrate monitoring of the nearest downgradient drinking water well (NS3?). If those measurements indicate contamination, additional bacterial monitoring is advised.

3. Robert "Eric" Parada Auto Wrecking Site Paradise Crock Dood

# APPENDIX E

**Interviews** 

Date of Contact: July 6, 2011

Person Interviewed: Dick Watenpaugh, Tribe Director of Tribal Administration

AEG Interviewer: Earl Stephens and Dane Frank

Subjects Discussed:

Dick Watenpaugh met with Earl Stephens and Dane Frank before the Site inspection to inform them of the current Site conditions and provide them with a Tribal Police escort. Dick stated that access to the Site was not permitted and that a police escort would be required for the duration of the Site inspection. The escort was required due to an ongoing conflict between the people living on the Site (not the property owner) and the Tribe.

Date of Contact: July 6, 2011

Person Interviewed: Teddy Nelson, resident

AEG Interviewer: Earl Stephens

Subjects Discussed:

Teddy Nelson lives in the residence at 1471 Morales Road, directly north of the Subject Site. He said that he is not aware of any USTs or known environmental issues associated with his property or neighbors, excluding the Subject Site. He is on domestic water supplied via a Tribal public water supply system.

Date of Contact: July 6, 2011

Person Interviewed: Eric Mendez, Tribe Environmental Enforcement Coordinator

AEG Interviewer: Earl Stephens

Subjects Discussed:

Eric Mendez works for the Tribe in their law enforcement unit. He accompanied Dane Frank (AEG) and myself during the entire inspection of the Site and arrange for access to the property east of the Site. Mr. Mendez informed me that Walker Woods Cabinets operated on the 5 +/- acres adjoining the Site to the east before the fire of 2007. He does not remember that property being used to raise chickens.

Date of Contact: July 6, 2011

Person Interviewed: Jay Fromlath, Water Quality Specialists of San Diego, Inc.

AEG Interviewer: Earl Stephens and Dane Frank

Subjects Discussed:

Jay Fromlath is the coordinator who oversees the Harrah's Rincon waste water treatment plant (WWTP) and the Tribe's North System domestic wells. Jay walked Earl and Dane through the processes at the WWTP and showed them the three wells (NS1, NS2, and NS3) used by the North System. Jay provided average pumping rates and some well construction details, as well as a general description of how the water distribution network was laid out. During the interview Jay stated that the North System supplies water to Harrah's Rincon and many of the buildings and residences on the northern portion of the reservation.

### APPENDIX F

**Qualifications of Environmental Professionals** 

### EARL R. STEPHENS, PE, MS Civil Engineering

### **EDUCATION**

MASTER OF SCIENCE DEGREE IN CIVIL ENGINEERING, May 1989 California State University Long Beach, Long Beach, California.

BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING, December 1985 San Diego State University, San Diego, California

### **PROFESSIONAL REGISTRATION**

Registered Professional Civil Engineer, California No. 45335 Registered Professional Civil Engineer, Nevada No. 012606 Qualified SWPPP Developer Certificate #00674

### **EMPLOYMENT EXPERIENCE**

Principal Engineer, Applied Engineering and Geology, Inc., Lincoln, CA, April 1990 to present Associate Engineer, Los Angeles Dept. of Water & Power, L.A., CA, December 1985 to April 1990

### FIELDS OF EXPERIENCE

- **GROUNDWATER RESOURCES:** Supervise, organize, and coordinate the investigation of groundwater resources, (including the positioning, design, and installation of extraction and monitoring wells) along with the testing of production, extraction, and monitoring wells for water supplies associated with large scale Tribal projects. Perform pumping tests, determine long-term yield, and evaluate impacts to surrounding sensitive targets (i.e. wells, surface water bodies, and springs).
- ENVIRONMENTAL SITE INVESTIGATION: Conduct environmental site investigations; coordinate with regulatory agencies; conduct field investigations and oversee drilling and sampling; prepare workplans, reports, and site safety plans.
- ENVIRONMENTAL SITE REMEDIATION DESIGNS: Design and implement remedial actions, both in-situ and ex-situ, for sites impacted with fuels, solvents, dry cleaning fluids, biological agents, agricultural wastes, and metals. Design air sparging/vapor extraction piping systems for soils impacted with hydrocarbons. Supervise the overexcavation of petroleum hydrocarbon impacted sites. Oversee the installation of monitoring wells, infiltration galleries, cutoff trenches, pump and treat systems, air sparge/soil vapor extraction (AS/SVE) systems, and groundwater oxygenation remedial systems. Perform computer modeling to determine fate and transport of certain analytes and associated risks to human health and the environment.

- RISK BASED CORRECTIVE ACTION EVALUATIONS: Perform Risk Based Corrective Action (RBCA) evaluations (a.k.a. Tier 2 Human Health Risk Assessments) for sites impacted with petroleum hydrocarbons; solvents; agricultural wastes; and metals in soil, soil vapor, and groundwater. Perform RBCA Evaluations using the computer model RISC to calculate the associated carcinogenic and hazzard index risk to human health and the environment for numerous scenarios including, dermal contact, ingestion, and inhalation for both residential and commercial receptors.
- WATER DISPOSAL / GEOLOGICAL INVESTIGATIONS: Supervise, organize, and coordinate extensive geologic investigations of the subsurface soils and shallow bedrock to provide design values for surface and subsurface disposal of treated waste water produced from large scale Tribal projects. Also, evaluate the fate and transport of the applied water.
- **GEOTECHNICAL SITE INVESTIGATIONS:** Supervise, organize, and coordinate geotechnical site investigations; conduct field investigations and oversee drilling and sampling; determine sampling type, frequency, and associated testing requirements; prepare construction drawings and reports; and oversee actual construction.
- **GEOTECHNICAL DESIGN:** Design foundations for large aboveground steel storage tanks and structures, determine shoring requirements and prepare associated design for deep excavations, and perform both static and dynamic slope stability analyses and designs using computer modeling.
- UNDERGROUND STORAGE TANK REMOVALS AND REPLACEMENTS: Determine requirements for, and design, removal and replacement of numerous underground storage tanks; secure permits; work with local, State, Tribal, and Federal agencies; and coordinate and oversee actual field work.
- WATER DISTRIBUTION FACILITIES DESIGN: Design water distribution facilities; prepare construction drawings; determine requirements and limitations of fire flow and domestic water service for tracts and parcel maps; determine pressure/flow requirements and availability; determine impacts and requirements for environmental impact reports (EIRs); and prepare material and cost estimates.
- LAND DEVELOPMENT: Provide professional services to perform major and minor land divisions including all necessary civil engineering drawings, calculations, specifications, and cost estimates, and attend hearings on behalf of the client. Perform percolation and soil mantle tests for individual residential and community septic systems. Prepared Storm Water Pollution Prevention Plans for industrial and construction sites, and oversaw the implementation of best management practices (BPM) and monitoring programs.

### DANE FRANK, BSCE

### **EDUCATION**

BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING, March 2009 California Polytechnic State University, San Luis Obispo

### PROFESSIONAL REGISTRATION

Engineer-in-Training Certificate No. 133674

### **EXPERIENCE**

Mr. Frank was employed by AEG as a Technician and Engineering Assistant while attending school, and as a Staff Engineer since graduating from college. As a result of working in multiple capacities, Mr. Frank has developed extensive experience performing the following:

**ENVIRONMENTAL INVESTIGATION:** Perform environmental investigations (including Phase I Environmental Site Assessments) that involve acquiring information from private, public, and regulatory sources, performing site inspections, presenting and evaluating that information, and making conclusions and recommendations based on the information.

**SOIL, SOIL VAPOR, AND GROUNDWATER INVESTIGAION:** Prepare workplans and permit applications, secure utility clearance, oversee the installation of groundwater monitoring and extraction wells and direct push boreholes. Survey wells, sampling points, and points of interest. Perform and oversee the collection of soil, soil vapor, and water samples for laboratory analysis. Compile and evaluate data and prepare the report of activities.

**SITE MONITORING AND REPORTING:** Supervise, organize, coordinate, and perform site sampling. Compile, present, and evaluate data in report format, and propose and implement revisions to sampling and analysis plans based on new data.

**REMEDIAL SYSTEM DESIGN, INSTALL, AND OPERATION & MAINTENANCE:** Assist with and perform the design and installation of soil, soil vapor, and groundwater remedial systems. Perform routine operation and maintenance (O&M) on the systems to keep them operating properly and in compliance with Waste Discharge Requirements (WDRs) and/or National Pollutant Discharge Elimination System (NPDES) permits.

**GEOTECHNICAL DESIGN:** Collect field data, develop cross-sections, and perform extensive static and dynamic slope stability calculations and modeling, along with grading and retaining structure design.

RISK BASED CORRECTIVE ACTION EVALUATIONS: Perform Risk Based Corrective Action (RBCA) evaluations (a.k.a. Tier 2 Human Health Risk Assessments) for sites impacted with petroleum hydrocarbons and solvents in soil, soil vapor, and groundwater. Perform RBCA Evaluations using the computer model RISC to calculate the associated carcinogenic and hazards index risk to human health and the environment for numerous scenarios.